RESULT

OF

ASTRONOMICAL OBSERVATIONS

MADE AT

THE HONORABLE,

THE EAST INDIA COMPANY'S OBSERVATORY

AT MADRAS.

BY

THOMAS GLANVILLE TAYLOR, Esq.

ASTRONOMER TO THE HONORABLE COMPANY.

Vol. IV.

For the Years 1836 and 1837.

SECOND EDITION.

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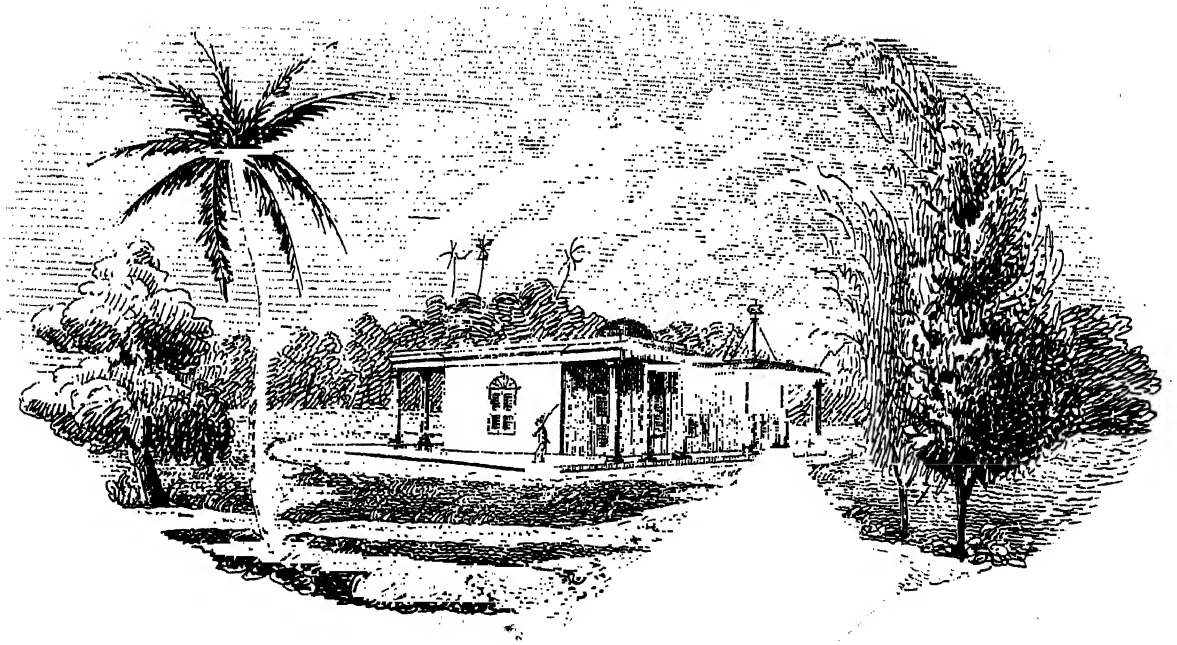

AT THE VEPERY MISSION ROMOTING CHRISTIAN KNOWLEDGE.

XXIX.

GREAT
TRIGONOMETRICAL
SURVEY
OF
INDIA
1865.

PREFACE.

THE contents of the present volume differs so little from that found in the former volumes of the Madras Observations, as almost to render a preface unnecessary: to conform however to established customs, it is proper for me to remark, that the Observations on the meridian of which the results are here given, have been continued without interruption—principally by the native assistants, and that those *out* of the meridian have been made exclusively by myself: In allowing the meridianal Observations to be made by the native assistants, I have been careful frequently to re-examine their bisections with the Mural Circle, and to compare the clock errors from their observations with the Transit Instrument with those determined from my own, when, in no case have I found that their bisections were less accurate than I could have made myself, and the difference between our estimations of time (" *personal equation*") has seldom amounted to two tenths of a second. The observations of the Sun (which have always proved unsatisfactory—still continue to exhibit the same want of consistency, and my endeavour to discover the cause have—I regret to state not in the least degree proved successful: the observations of the Planet *Mars* and of Stars situated near to his path for the purposes of Parallax, have now been continued for three successive oppositions, and the necessary comparisons between these and corresponding observations which have been made at the Cape of Good Hope Observatory, have been instituted—without I fear having in the least advanced the object of enquiry: this result, as well as other observations of measuring angular distances with the Mural Circle, tends to shew—that although a single observation may be *depended upon* to 1″, 5 or 2″; still, the tenth or twentieth part of this amount—which is the present object of enquiry,—can only be attained by an almost unlimited number of observations. The observation of Moon Culminating Stars and occultations has been continued, as has likewise the Eclipses of Jupiter's Satellites, but not having received the corresponding observations at Greenwich complete, I have delayed for the present to attempt any improvement of the supposed value of the Longitude, and since it would have interfered with the observation of the Star Catalogue to attempt reflection Observations, I have likewise allowed the question of Latitude to remain undisturbed. The reductions have for the most part been performed by myself, and when performed by an Assistant, have invariably undergone—either a recomputation, or a careful revision by myself before they were trusted. On comparing the places of the 2066 Stars which are here given, with Piazzi's

Catalogue; a result similar to that noticed in Vol. III. (as occurring between the Catalogue *there* given when compared with Piazzi) was here too apparent; in consequence of which, I have gone back to the catalogue given in Vol. II. and have likewise compared it with the places assigned by Piazzi; after combining the results from these three catalogues (containing about 7600 Stars) there still appears a tendency to exhibit a *General Proper Motion* of the fixed Stars, which can be explained, by supposing a motion of the Solar System towards the North Pole of the Ecliptic: whether the data from which this conclusion has been drawn shall appear sufficient or no, I would beg for the present to claim a little indulgence—until a comparison of the table of refractions employed by Piazzi (not now at my command) with those at present in use, shall have been instituted—and a re-examination of Latitudes undertaken;—this done,—I shall be prepared either to announce this important and somewhat unexpected result, with more precision and certainty, or to acknowledge with humility that I have been in error—

T. G. TAYLOR,
H. C. ASTRONOMER.

I take this opportunity to acknowledge with very many thanks, the receipt of copies of the *Connoissance des Temps* and *Nautical Almanac*, as well as other very valuable works from learned Societies and individuals.

NOTE TO THE SECOND EDITION. The present edition of this volume has been rendered necessary, in consequecne of nearly the whole of the copies of the former edition having been lost in the wreck of the Duke of Northumberland: In the examination of the proof sheets, reference has been had to one of the printed copies of the first edition, from which, with the exception of one or two notes which have been rendered necessary on the present occasion, it differs in no respect whatever.

T. G. TAYLOR,
H. C. ASTRONOMEE.

OF THE TRANSIT INSTRUMENT.

THE focal length of the Transit Instrument is 61 Inches, with a clear aperture of $3\frac{3}{4}$ Inches; but for bright Stars and the Sun an aperture of 2 Inches only has generally been employed. As originally constructed by Dollond the pivots were of bell metal, but during the first three years of its use, these had worn so unequally, as to render it necessary to re-turn them, when collars of steel were applied over the bell metal, so as to restore them to their original dimensions; this was accomplished in the years 1834—35 by Mr Barrow, the Honorable Company's Instrument maker at Calcutta, in a manner which rendered the Instrument as perfect as when it was first erected. Consulting Vol. III. it appears that in January and February 1834
the illuminating pivot was *apparently* less than the other pivot 1",69
and in December 1835 that it was less.....1 ,10

Since this time,—from several inversions of the axis—on the 5th October 1836
the illuminating pivot was *apparently* less than the other pivot..2",06
and on the 21st November 1837.....1 ,81
Mean=1 ,66

The eye piece is furnished with five vertical and one horizontal fixed wires, and one vertical moveable wire; the Equatorial intervals between the former were determined from the intervals occupied by several stars situated near the Pole to pass from wire to wire, as follows :—

	Seconds.
from 1st wire to centre.....	+54,577
2d.....	+26,961
4th.....	—27,470
5th.....	—55,289

rendering necessary the correction..... $\frac{-0,244}{\text{cos. Decln.}}$ to reduce the mean of the five wires to the centre wire.

These numbers hold good up to the 30th October 1836, when the wires were broken—in consequence of the shutters on the roof of the Observatory being blown open by the violence of the wind, whereby the instrument was exposed for some minutes to very heavy rain;*—having failed during this time to secure the shutter (the fastenings having given way, and one only out of three hinges remaining entire) I was compelled to take the transit off its axis, and deposit it in the safest place I could find; the wind which was blowing from the North, had burst open the Northern door, as well as the Southern one immediately opposite; hence there appeared to be no other choice—than that of placing it upon the table which stood against the most secure part of the Northern wall of the Observatory;—here, supported by books and a green baize cover, I felt assured that nothing short of the building falling in, would have in the least degree endangered it; at one instant I thought of depositing it upon the floor, where it would be sheltered by the table, but streams of water which were flowing through the Observatory determined it otherwise; —at 5 o'clock in the afternoon having completed all that could be of service to secure the Instruments—I left the Observatory to the care of an assistant. At ¼ before 7 it blew a perfect hurricane,—the Dome on the top of the Observatory was blown away, and the stoutest trees and hedges were laid low!—at 7 o'clock the wind had much moderated, and at ¼ past 7—a lull—a dead calm ensued. I watched the appearance of the sky and fluctuations of the Barometer at this moment with feelings of intense anxiety and interest;—the clouds were passing one another in utter confusion, and although calm below, it was evident that at no great height above the Earth there was a severe conflict among the elements;—I had hardly time to make a note of these appearances and of the height of the Barometer, when the rain—which had ceased during the lull, again set in, accompanied by the sighs and moans of the again returning hurricane:—at a ¼ before 8, the wind—*which now blew from the* SOUTH, had risen to a pitch more fearful than that before experienced; in short—no description can convey an adequate idea of its intense fury;—doors and windows, iron bars and bolts—were with one rude rush scattered and broken! At this moment the southern doors of the Observatory, situated opposite to the northern wall where the Transit Instrument had been deposited—was literally blown to pieces; whereby one of the pieces (about 8 feet by 6 Inches by 2 Inches) which had been blown across the room, had fallen edgewise upon the head of the micrometer attached to the Transit Instrument, and very neatly cut it off, without at all disturbing the other parts of the telescope. Other

* There fell 7,5 Inches, in the course of 12 hours—for the indications of the Barometer see the end.

injuries had been sustained—by the books having been disturbed, whereby the object end of the telescope had fallen upon a pile of books from a height of about 2 feet, whence two slight indentations had been sustained, one on each side of the tube, at 10 or 12 Inches above the object end of the telescope; and the tangent screw of the setting circle had been hit: but it was evident that the axis had not in the slightest degree been injured; a circumstance of which I have since well assured myself from observation.—The first fact that struck my notice on examining the Instrument—was, that the focal length of the object glass had apparently altered; or rather that the telescope had become shorter; for, in order to render the principal focus coincident with the wires, it was necessary to remove the object glass ,07 of an inch from the position it had hitherto occupied in the cell into which it was secured;—this remedied (which I was enabled to do by interposing three pieces of brass of this thickness between the bottom of the cell and the frame carrying the object glass) it only remained that the micrometer screw should be replaced; this was readily and very neatly accomplished by Mr. Barrow of Calcutta, and six weeks after the date of this calamity, all was again in order:—in this interval the observations were continued without the micrometer (as will be seen in the sequel,) without I apprehend in any material degree endangering their general accuracy.

Up to the date of these misfortunes the illuminating pivot had always reposed upon the eastern Y or Pillar; but the damage sustained by the tangent screw above noticed, rendering its motion stiff and uncertain, I was induced to shift the position of the axis—so as to bring the other setting circle into use; accordingly from the 5th November to the present time the position of the Instrument has been "*illuminating Pivot West.*"

On the 5th of November I put in a new set of Wires, when—from the mean of several Stars situated near to the Pole, the Equatorial intervals were found to be—

	Seconds.
from 1st wire to centre	+54,840
2d	+27,251
4th	—27,828
5th	—54,530

hence to reduce the mean of the five wires to the centre wire, for the fixed Stars we must apply the correction..... $-\frac{\overset{s}{0,053}}{\text{sin. N. P. D.}}$

In volumes I. and II. the value of the micrometer screw had been determined to be 34″,366 for each revolution, whereas for that now in use (which I requested Mr. Barrow to make of nearly the same degree of fineness)—one revolution corresponds to 32″,94.

It now only remains for me to state another, though trifling circumstance with regard to the Transit Instrument—namely, that after above six years of constant use, the lacquer had completely disappeared from the eye end of the telescope, and existed in patches only on the other parts ;—with a view to arrest the progress of oxidation, as well as to improve its now dingy appearance,—on the 22-25th February 1837, I applied two coats of oil paint over the entire surface, whereby its appearance as well as efficiency remains unimpaired.

ERROR OF LEVEL OF THE TRANSIT AXIS.

THE error of level of the Transit Axis has been determined as heretofore by the Spirit level, and the necessary correction for error of level applied to each observation ; this is true at least for the observations made before the 30th October 1836, and for those made after the 18th January 1837 :—for the observations made between these dates—having from time to time adjusted the axis to horizontality, no correction on this account is necessary. The Column (L + P) is obtained from the mean of three readings of the level with the cross level East, and the same number with cross level West, viz. one at each extremity, and one in the middle of the pivots ; the value of P or half of the apparent defect of the illuminating pivot which is given at page 1—being applied, leaves the values of L which have been employed in the reduction of the Observations. It must be noticed however that the correction P applies with a contrary effect after the 5th November 1836 to what it did before that date, in consequence of the illuminating or smaller pivot having been transferred from the Eastern to the Western Pier, as has already been stated at page 3.

1836.		Illmtg. Pivot.	L+P	Remarks, &c.
			"	
Jany.	2	East	3,56 E	
	4	..	3,49 „	
	6	..	2,92 „	
	8	..	2,72 „	
	11	..	3,03 „	
	13	..	3,54 „	
	16	..	3,48 „	
	18	..	3,10 „	
	20	..	3,11 „	
	22	..	3,13 „	
	25	..	3,03 „	
	27	..	3,28 „	
	29	..	3,17 „	Mean= { 3,20E ,70 } ∴ L=3,90E
Feb.	1	..	2,60 „	
	3	..	2,66 „	
	5	..	2,84 „	
	8	..	3,06 „	
	10	..	2,92 „	
	12	..	2,50 „	
	14	..	2,39 „	
	16	..	2,21 „	Mean= { 2,65E ,70 } ∴ L=3,35E
	18	..	1,99 „	
	20	..	1,60 „	
	21	..	1,60 „	
	22	..	1,96 „	
	24	..	2,15 „	
	26	..	2,66 „	
	28	..	2,29 „	
March	1	..	2,19 „	
	3	..	2,61 „	
	5	..	2,60 „	
	7	..	2,15 „	
	9	..	1,72 „	
	12	..	1,63 „	
	14	..	1,32 „	
	16	..	1,38 „	
	18	..	1,74 „	
	21	..	1,22 „	Mean= { 1,93E ,70 } ∴ L=2,63E
	23	..	0,88 „	
	25	..	0,88 „	
	28	..	0,72 „	
	30	..	1,00 „	
April	2	..	1,10 „	
	4	..	0,87 „	
	7	..	0,05 W	
	9	..	2,01 E*	
	10	..	0,17 W	
	11	..	0,39 E	
	13	..	0,31 „	

1836.		Illmtg. Pivot.	L+P	Remarks, &c.
			"	
April	14	East	1,23 E	
	16	..	0,40 „	
	18	..	0,12 „	
	19	..	0,31 „	
	21	..	1,11 „	
	23	..	0,42 „	
	25	..	0,07 W	
	27	..	0,15 „	
	29	..	0,41 E	
May	1	..	0,60 „	
	3	..	0,38 „	
	5	..	0,15 „	
	7	..	0,25 „	
	9	..	0,50 W	Mean= { 0,44E ,70 } ∴ L=1,14E
	11	..	1,02 „	Land winds set in.
	13	..	1,70 „	
	16	..	0,55 „	
	18	..	2,02 „	
	20	..	1,25 „	
	23	..	1,47 „	
	25	..	1,32 „	
	27	..	1,53 „	
	29	..	1,67 „	
	31	..	1,12 „	
June	2	..	1,47 „	
	4	..	1,26 „	
	6	..	1,21 „	
	8	..	1,07 „	
	10	..	1,37 „	
	12	..	1,29 „	
	14	..	0,82 „	
	16	..	0,52 „	
	18	..	0,17 „	
	20	..	0,43 „	
	22	..	0,93 „	
	29	..	0,85 „	
July	1	..	1,05 „	Mean= { 1,13W ,70 } ∴ L=0,43W
	4	..	0,15 E	Heavy rain on the 2nd.
	8	..	0,46 W	
	10	..	0,11 „	
	13	..	0,62 „	
	15	..	0,66 „	
	18	..	0,73 „	
	20	..	0,19 „	
	23	..	0,43 „	
	27	..	0,10 „	
	29	..	0,26 E	
August	1	..	0,14 W	
	11	..	0,54 E	

* This is omitted in taking the Mean.

1836.	Illmtg. Pivot.	L+P	Remarks, &c.
		"	
August 15	East	0,64 E	
18	..	1,06 „	Mean= { 0",05W ,70 } ∴ L=0",65E
22	..	1,53 „	
24	..	1,20 „	
27	..	1,57 „	
Sept. 7	..	2,21 „	
9	..	1,83 „	
11	..	1,78 „	
15	..	1,87 „	
17	..	2,01 „	
19	..	2,15 „	
22	..	1,93 „	
23	..	1,65 „	
26	..	2,52 „	
29	..	2,59 „	
Oct. 3	..	2,12 „	
6	..	2,23 „	
8	..	2,92 „	
10	..	2,23 „	
12	..	1,69 „	
14	..	1,44 „	
16	..	1,17 „	
19	..	1,81 „	
21	..	1,97 „	
24	..	2,03 „	
26	..	1,92 „	Mean= { 1",93E ,70 } ∴ L=2",63E
29	..	3,73 „	

1836.		L—P	
Nov. 5	West	0,00	Adjusted for Level.
9	..	2,50 E	Do. Do.
12	..	2,00 „	Do. Do.
18	..		Very heavy rain and high wind—
19	..		there fell 17 inches in 36 hours.
22	..	7,50 E	Adjusted for Level.
Decr. 1	..	1,37W	Do. Do.
6	..	1,90W	Do. Do.
9	..	0,00 „	
13	..	1,70W	Do. Do.
21	..	0,10 E	
24	..	0,22 „	
1837.			
Jany. 2	..	0,80W	
9	..	2,00 „	Adjusted for Level.
18	..	2,67 E	
25	..	2,55 „	
31	..	2,15 „	

1837.	Illmtg. Pivot.	L—P	Remarks, &c.
		"	
Feb 4	West	2,50 E	
7	..	2,47 „	Mean= { 2",47E ,70 } ∴ L=1",77E
10	..	4,20 „	
14	..	4,37 „	
16	..	4,02 „	
21	..	3,20 „	
27	..	4,11 „	
March 4	..	4,76 „	
9	..	3,91 „	
13	..	3,21 „	
17	..	3,35 „	
21	..	2,70 „	
24	..	2,79 „	
28	..	3,16 „	Mean= { 3",65E ,70 } ∴ L=2",95E
31	..	1,91 „	
April 3	..	1,70 „	
6	..	1,62 „	
9	..	1,17 „	
12	..	1,95 „	
15	..	1,90 „	
18	..	1,36 „	
21	..	2,41 „	
24	..	1,04 „	
27	..	0,88 „	
30	..	1,38 „	Mean= { 1",57E ,70 } ∴ L=0",87E
May 3	..	0,78 „	
6	..	0,75 „	
9	..	0,66 „	
12	..	0,27 „	
15	..	0,25W	
18	..	0,07 E	
21	..	0,74 „	
24	..	1,00 „	
27	..	0,16 „	Mean = { 0",56E ,70 } ∴ L=0",14W
30	..	1,84 „	Hot Land Winds.
June 2	..	2,69 „	
5	..	0,93 „	
8	..	0,78 „	
11	..	0,55 „	
14	..	0,07 „	
17	..	1,12 „	
20	..	0,58 „	
23	..	1,28 „	
26	..	1,23 „	
29	..	0,97 „	
July 2	..	0,72 „	

1837.	Illmtg. Pivot.	L—P.	Remarks &c.
		"	
July 5	West	1,10 E	
8	..	0,74 „	
11	..	0,95 „	
14	..	1,21 „	
17	..	0,88 „	Mean= $\left\{\begin{matrix}0'',88E\\,70\end{matrix}\right\}$ ∴L=0",18E
20	..	1,47	
23	..	1,48 „	
26	..	1,42 „	
29	..	1,03 „	
August 1	..	0,84 „	
4	..	1,82 „	
7	..	2,41 „	
10	..	1,64 „	
13	..	1,73 „	
16	..	1,83 „	
19	..	1,90 „	
21	..	1,38 „	
25	..	1,50 „	
28	..	1,86 „	
31	..	1,82 „	
Sept. 3	..	1,05 „	
6	..	1,75 „	
9	..	1,45 „	
13	..	1,40 „	
15	..	1,39 „	
18	..	1,26 „	
21	..	0,91 „	
24	..	0,84 „	
27	..	1,60 „	
30	..	0,50 „	Mean= $\left\{\begin{matrix}1'',45E\\,70\end{matrix}\right\}$ ∴L=0",75E
Oct. 3	..	2,17 „	

1837.	Illmtg. Pivot.	L—P.	Remarks &c.
		"	
Oct. 6	West	2,26 E	
9	..	2,13 „	
12	..	1,90 „	
15	..	1,87 „	
18	..	2,27 „	
21	..	2,60 „	
24	..	2,50 „	
27	..	2,38 „	
30	..	2,60 „	Mean= $\left\{\begin{matrix}2'',27E\\,70\end{matrix}\right\}$ ∴L=1",57 E
Nov. 2	..	6,78 „	There fell 8,6 inches of rain.
5	..	6,82 „	
8	..	6,74 „	
11	..	5,90 „	
14	..	5,56 „	
17	..	5,10 „	
20	..	4,78 „	
23	..	5,18 „	
26	..	5,29 „	
29	..	5,06 „	
Decr. 2	..	5,09 „	
5	..	4,99 „	
8	..	5,33 „	
11	..	5,70 „	Mean= $\left\{\begin{matrix}5'',27E\\,70\end{matrix}\right\}$ ∴L=4",57E
14	..	3,58 „	Fine Weather.
17	..	2,85 „	
20	..	2,25 „	
23	..	2,50 „	
26	..	2,40 „	
29	..	1,99 „	
31	..	2,05 „	

ERROR OF COLLIMATION OF THE TRANSIT INSTRUMENT.

Having found from experience that the determination of the error of Collimation by inversion of the axis was sometimes liable to uncertainty, (by reason of the great care which is necessary, but which cannot always be afforded, in placing the pivots on their Y's), I have in the present volume, as heretofore, had recourse to inversion for this purpose but very seldom, and then only have employed it as a check upon other methods. In the early part of 1836 the error of Collimation was determined by measuring with the micrometer

screw, the horizontal angular distance between the North and South Meridian Marks, and comparing this result with the previously known true angular distance; thus,—if C represent the collimation error, N^1,—S^1 the observed azimuths of the centre wire as affected by C, and N,—S the azimuths as not so affected, we have

$$\text{the reading of the North Mark} = +N^1 = +N \pm C$$
$$\text{South do.} = -S^1 = -S \pm C$$

taking the sum, $N^1 - S^1 = N - S \pm 2C$; in which N—S, the true angular distance between the marks being known, we immediately obtain the value of C:—for the value of N—S ($=\theta$) there were several measures made in the early part of 1835 (see Vol. III p. 8.) in which it came out 180° 0′ 26″,03 and from 5 Inversions on the 13th January 1836 it came out 180° 0′ 25″,77; the former result however is that which has been employed in the computations. For the observations after 20th March and up to 30th October 1836, the azimuth of the centre wire from the North Mark only has been observed, and in place of the other, an observation has been made on every second or third day with the "*Reflecting Collimator.*" The observation with the "*Reflecting Collimator*" which has been explained already in Vol. III;—consists in measuring the angular distance (with the micrometer) between the direct image of the centre wire, and its image as reflected from a basin of quicksilver; to accomplish this, I drilled a small hole in the side of the telescope, at obout 6 inches from the eye end, so that the light from a lamp, after passing through it—might fall uninterruptedly upon the wires;—I now introduced a silver speculum into one of the eye pieces, in front of the lens, so that by varying its inclination, the light from the lamp could be thrown perpendicularly upon the wires, whereby their image as reflected from a basin of quicksilver placed underneath the Transit, was nearly as well defined as the direct image; the speculum was suspended upon an axis passing through the sides of the eye piece, by which it could be adjusted to the proper angle, and was furnished with a small elliptical hole (about ,07 of an In. diameter) through which the wires were seen. In the employment of this method, it is indispensably necessary that the centre wire should describe a vertical circle, and that the moveable wire be parallel to it; this latter precaution however would not be necessary—could the bisection be made at the exact point of its intersection with the horizontal wire; but this not being accomplishable in practise, in consequence of the want of light at this part of the field (by reason of the shadow of the aperture through which the observation is made)—it becomes necessary when paral-

lelism cannot be obtained, to allow for its effect:—In the case of the Madras Transit;—since the application of the steel pivots, the adjustment of the moveable wire for parallelism has proved insufficient; hence the readings of the Reflecting Collimator which now follow, are not those immediately read off from the instrument, but the readings as corrected for want of parallelism.

In the table which follows, these corrected readings of the Reflecting Collimator divided by 2, or C + L* are given;—in which C (as notedabove) represents the error of collimation, and L the error of Level. The quantity L + P, is taken from the level observations at pages 5—7, save that for the days intermediate between those on which the level was observed, I have employed corresponding intermediate values. For the observations between the 1st November 1836 and 18th January 1837—having been deprived of the means of measuring angular distances, by the loss of the micrometer, I now placed a small Mark upon the pier which had hitherto supported the old North Meridian Mark, and as nearly as possible in the direction of the meridian; my object was, with the level—to render the amount L=0 by adjustment; and then, the reflecting collimator allowing me to adjust for any amount of Collimation C, the azimuth error would remain the only unknown: hence the observations made in the interval just stated do not require correction for error of Collimation. On the 18th January 1837 having applied the new micrometer, and for convenience sake produced a small collimation error—I recommenced the measurement of the errors of Collimation as they had previously been conducted before the Storm.

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* In Vol. III. page 17 line 34 *et seq.*, I have committed an unaccountable mistake and an oversight;—1st in stating the reading of the Reflecting Collimator to be (C + L + P) × 2,—and 2ndly, in omitting a correction due to the want of parallelism of the centre and moveable wires. As the numbers stand in Vol. III. they are however right, or very nearly so, in consequence of the correction for want of parallelism amounting to 7 or 8 tenths of a second—nearly that of P;—thus, the reading of the last column or 2 P, should be P + ″,75 ∴ P = —0″,77. And for lines 1—5 page 18 the following should be substituted—

Illuminating Pivot East, the reading was $+13'',81 = (C+L) \times 2$

West, $-5,43 = \overline{-C+L-2P} \times 2$

assuming P = —0″,80, we get L=1″,29 E. and C=5,″61; whereas from the level Observations we find L=2″,11 E; and, from the Observation of the N. and S. Marks, C=6,″15, and from inversion 6″,39.

1836.	Observed Azimuth N.	Observed Azimuth S.	$\frac{N+S+\theta}{2}$ or C	Remarks, &c.	Ref. Col. $\frac{2}{C+L}$	L+P	Diff. or C−P	P
	″	″	″		″	″	″	″
Jan. 1	+38,35	−44,24	+10,07					
2	38,15	44,41	9,89					
3	38,18	44,68	9,77		+14,65	+3,52	+11,13	−1,36
4	38,15	44,51	9,84		14,45	3,49	10,96	1,12
5	38,18	44,75	9,73					
6	38,08	44,61	9,75					
7	38,18	44,41	9,90		14,42	2,82	11,60	1,70
8	38,15	44,58	9,80					
9	38,25	44,58	9,85					
10	38,12	44,58	9,78	Mean=9″,84	14,24	2,87	11,37	1,59
11	37,95	44,55	9,71					
12	38,18	44,45	9,88					
13	38,29	44,45	9,93		{14,61 / 14.82	3,54	11,17	1,24
14	38,15	44,20	9,99					
15	38,05	44,03	10,02		14,49	3,51	10,98	0,96
16	38,18	44,06	10,07		14,16	3,48	10,68	0,61
17	38,22	44,10	10,07					
18	38,12	43,82	10,16					
19	38,05	43,82	10,13		13,65	3,11	10,54	0,41
20	37,95	44,17	9,90	Mean=9″,99	12,69	3,11	9,58	+0,32
21	38,35	44,07	10,15		13,29	3,12	10,17	−0,02
22	38,22	44,10	10,07					
23	38,29	43,90	10,21					
24	38,39	44,31	10,06		12,36	3,03	9,33	+0,73
25	38,15	44,03	10,07					
26	38,25	44,07	10,10		12,53	3,15	9,38	+0,72
27	38,56	43,97	10,31		14,32	3,28	11,04	−0,73
28	38,32	44,21	10,07		13,13	3,22	9,91	+0,16
29	38,39	44,41	10,00					
30	38,29	44,41	9,95	Mean=10″,10	12,70	2,88	9.82	+0,13
31	38,22	44,51	9,87		12,87	2,88	9,99	−0,12
Feb. 1	38,25	44,24	10,02		12,78	2,60	10,18	−0,16
2	38,15	44,27	9,96					
3	38,32	——	——		13.29	2,66	10,63	−0,56
4	38,36	44,00	10,19		13.47	2,75	10,72	−0,53
5	38,12	44,17	9,99		12,77	2,84	9,93	+0,06
6	38,36	44,24	10,07					
7	38,43	44,07	10,19		13,29	2,95	10,34	−0,15
8	38,33	44,14	10,11		13,47	3,06	10,41	−0,30
9	38,18	44,31	9,95					
10	38,33	44,17	10,09	Mean=10″,05				
11	38,33	44,31	10,02					
12	38,56	44,37	10,11					
13	38,63	44,71	9,97		12,95	2,45	10.50	0,53
14	38,63	44,41	10,12		12,77	2,39	10,38	0,26
15	38,73	44,85	9,96					0,34
16	38,65	44,85	9,91		12,43	2,21	10,22	0,31
17	38,69	44,85	9,93		12,60	2,10	10,50	−0,57
18	38,56	44,88	9,86					
19	38,56	44,65	9,77	{ I took out the				
20	39,32	45,27	10,04	{ object glass	11,40	1,60	9,80	+0,24
21	38,76	45,19	10,30	Mean=9″,90	12,43	1,60	10,83	−0,53

1836.	Observed Azimuth N.	Observed Azimuth S.	$\frac{N+S+\theta}{2}$ or C	REMARKS, &c.	Ref. Col. $\frac{}{2}$ or C+L	L+P	Diff. or C—P	P
	″	″	″		″	″	″	″
Feb. 22	+39,59	— ——	+ ——					
23	39,66	45,64	10,03		12,08	+2,05	10,03	0,00
24	38,98	45,34	9,84					—0,24
25	39,15	45,47	9,86		12,43	2,40	10,13	—0,27
26	39,01	45,37	9 84		13,12	2,66	10,46	—0,62
27	38,91	45,55	9,69		13,29	2,47	10,82	1,13
28	38,84	45,45	9,72					
29	38,87	45,19	9,86					
Mar. 1	38,87	45,00	9,95		13,65	2,19	11,46	1,51
2	38,98	45,02	10 00	Mean=9″,91	12,95	2,40	10,55	0,55
3	38,87	45,27	9,82		12,43	2,60	9,83	0,01
4	38.94	45,12	9,93		13,12	2,60	10,52	0,59
5	38,87	——	——		13,02	2,60	10,42	
6	39,08	——	——		12,69	2,37	10,32	
7	38,87	——	——		12,26	2,15	10,11	
8	38,87	44,75	10,08					
9	39,01	——	——		11,23	1,72	9,51	
10	39,01	44,92	10,06		11,06	1,68	9,38	+0,68
11	38,81	——	——		11,06	1,68	9,38	
12	38,94	——	——		10,54	1,63	8,91	
13	38,91	——	——					
14	38,91	——	——		10,71	1,32	9,39	
15	38,77	45,05	9,88					
16	38,77	45,37	9,72		10,94	1,38	9,56	+0,16
17	38,52	——	——		10,71	1,56	9,15	
18	37,88	——	——		10,02	1,74	8,28	
19	38,08	——	——	Mean of 67	10,20	1,48	8,72	
20	38,59	——	——	= +9″,96	10,20	1,48	8,72	
21	38,49	45,02	9,75					

The extreme difficulty which has hitherto attended the keeping in view of the South Meridian Mark, by reason of the rapid growth of the trees which intervene between it and the Observatory, has at length determined me to give it up altogether; I do this with less reluctance than I otherwise should have done, from the consideration of its instability, and from the persuasion I feel—of the Reflecting Collimator being well qualified to supersede the use of two Marks. If we now take the mean of the values in the last column, we get P = —0″, 40, whereas from a similar number of observations in 1836, Vol. III. it came out—0″,70, and from observations at various times with the spirit level (page 1), we obtained for the value of P,—0″, 83 ; hence the assumption of P, to be—0″, 70—which has been done in the following computations, cannot be far from the truth.

1836.	L+P	Ref. Col. 2 or C+L	Diff. or C—P	REMARKS, &c.
	"	"	"	
March 23	+0,88	+10,02	+9,14	
25	0,88	10,02	9,14	
26	0,80	9,85	9,05	
28	0,72	9,85	9,13	
29	0,86	9,85	8,99	
April 1	1,05	9,51	8,46	
2	1,10	9,85	8,75	
4	0,87	10,02	9,15	
6	0,41	10,54	10,13	Mean of 10= +9",62
7	—0,05	11,23	11,28	—0,70
				∴C= +8,62
9	+2,01	10,72	8,71	
11	0,39	9,16	8,77	
12	0,35	9,68	9,33	
14	1,23	10,89	9,66	
15	0,81	11,23	10,42	
16	0,40	9,94	9,54	
19	0,31	10,89	10,58	
20	0,71	10,02	9,31	
21	1,11	10,37	9,26	Mean of 10= +9",50
22	0,76	10,20	9,44	—0,70
				∴C= +8,80
24	0,18	10,71	10,53	
25	—0,07	10,20	10,13	
26	0,11	9,51	9,62	
27	0,15	10,37	10,52	
28	+0,13	10,19	10,06	
May 1	0,60	10,20	9,60	
2	0,49	10,10	9,61	
3	0,38	10,10	9,72	
4	0,27	10,10	9,83	
6	0,20	10,44	10,24	
7	0,25	9,08	8,83	Mean of 12= +9",86
9	—0,50	9,16	9,66	— ,70
				∴C= +9,16
11	1,02	12,95	13,97	Hot land winds set in.
13	1,70	12,26	13,96	
16	0,55	12,60	13,15	
20	1,25	10,56	11,81	
23	1,47	10,97	12,44	
25	1,32			Mean of 6= +13",21
27	1,53	12,43	13,96	— 0,70
				∴C +12,51
31	1,12	11,23	12,35	
June 2	1,47	9,68	11,15	
5	1,23	10,89	12,12	
8	1,07	11,23	12,30	
11	1,33	12,07	13,40	
15	0,67	14,16	*14,83	

* This is omitted in taking the Mean.

1836.	L+P	Ref. Col. 2 or C+L	Diff. or C—P	REMARKS, &c.
	″	″	″	
June 17	—0,35	+ 12,60	+ 12,95	
18	0,17	11,75	11,92	
20	0,43	11,06	11,49	Mean of 10 = +12,15″
21	0,68	11,40	12,08	— 0,70
25	0,89	10,89	11,78	∴ C = +11,45
29	0,85	10,54	11,39	
July 1	1,05	11,23	12,28	
4	+0,15	11,02	*10,87	
7	—0,16	12,01	12,17	
8	0,46	12,08	12,54	
12	0,62	12,95	13,57	
13	0,62	12,26	12,88	
18	0,73	12,60	13,33	
19	0,46	10,89.	11,35	
20	0,19	11,43	11,62	Mean of 10 = +12,29″
21	0,31	11,43	11,74	— 0,70
				∴ C = +11,59
23	0,43	10,37	10,80	
25	0,26	11,45	11,71	
27	0,10	11,57	11,67	
29	+0,26	10,71	10,45	Mean of 6 = +11,10″
31	0,06	10,46	10,40	— 0,70
August 1	—0,14	11,40	11,54	∴ C = +10,40
11	+0,54	12,43	11,89	The observations with the reflecting collimator from the 11th to the 27th August were made by my assistant *Annutachary*, to whom I had confidently entrusted them during my absence from Madras;—having on the 29th discovered a strange difference from the observation made on the 27th by the assistant; I requested him to examine my bisection, when—the cause of disagreement was fully explained, by his reading off the *complimental* number of divisions from the micrometer head instead of the true;—I might readily by allowing for this, set the matter right, but since the collimation error appears unchanged, I have preferred cancelling the ref. coll. observations.
12		11,45	10,86	
13	0,59	12,07	11,48	
14		11,57	10,98	
15	0,64	10,97	10,33	
16	0,85			
17		11,31	10,46	
18	1,06	10,80	9,74	
19		10,45		
22	1,53	10,80	9,27	
23	1,36	10,28	8,92	
24	1,20	10,37	9,17	
26	1,38	10,71	9,33	
27	1,57	10,63	9,06	
28				
29	1,39	14,32	12,93	
Sept. 6	1,39	14,24	12,85	
7	2,21			
9	1,83	14,32	12,49	
11	1,78	14,49	12,71	
13	1,83	14,83	13,00	
15	1,87	15,18	13,31	
17	2,01	15,18	13,17	
19	2,15	15,36	13,21	

* This is omitted in taking the Mean.

1836.	L+P	Ref. Col. 2 or C+L	Diff. or C—P	REMARKS, &c.
	"	"	"	
Sept. 21	+1,93	+ 15,36	+ 13,43	
23	1,65			
26	2,52	15,01	12,49	
29	2,59	14,83	12,24	
Oct. 1				
2	2,36			
3	2,12	15,18	13,06	
6	2,23	15,01	12,78	Mean of 14 = +12",86
8	2,92	15,35	12,43	— 0,70
				∴ C = +12,16
10	2,23	12,60	10,37	
12	1,69	13,38	11,69	
14	1,44	13,12	11,68	
16	1,17	13,12	11,95	
19	1,81	12,95	11,14	
21	1,97	12,95	10,98	
24	2,03	13,21	11,18	
26	1,92	13,29	11,37	Mean of 9 = +11",25
29	3,73	14,66	10,93	— 0,70
30				∴ C = +10,55

A hurricane had shattered the S. E. door of the Observatory to pieces, and broken the micrometer screw of the Transit Instrument—

1836.

Nov. 5, Put in a new set of wires and adjusted the collimation of the centre wire by means of the reflecting collimator.

9, Examined the position of the axis of collimation by the ref. coll.—found correct.

12, do. do. do. do.

17, do. do. do. do.

22, do. do. found the wire a little to the E. adjusted it.

Dec. 1, do. do. found the wire a little to the E. adjusted it.

6, do. do. do. found correct.

9, do. do. do. do. do.

13, do. do. do. do. do.

21, do. do. do. do. do.

24, do. do. do. do. do.

1837.

Jany. 2, do. do. found the wire a little to the E. adjusted it.

9, do. do. do. found correct.

14, do. do. found the wire a little to the E. adjusted it.

18, I purposely moved the wires about 10" to the East.

1837.		L—P	Ref. Col. 2 or C+L	Diff. or C+P	REMARKS, &c.
		″	″		
Jan.	18	+2,67	—10,78	—13,45	
	22	2,61	9,45	12,06	
	25	2,55	10,34	12,89	
	31	2,15	9,51	11,66	
Feb.	4	2,50	8,31	10,81	Mean of 7 = —11″,48
	7	2,47	7,00	9,47	P = — 0,70
	10	4,20	5,84	10,04	C = —10,78 By invers. C = —10″,04
	10	4,20	10,62	14,82	Increased the coll. error.
	14	4,37	10,63	15,00	
	16	4,02	11,28	15,30	
	21	3,20			Painted the Transit Instrument.
	27	4,11	10,63	14,74	
March	4	4,76	10,52	15,28	
	9	3,91	11,11	15,02	
	13	3,21	11,60	14,81	
	17	3,35	10,95	14,30	Inverted the axis twice, when C was found —14″,82
	21	2,70	11,93	14,63	
	24	2,79	12,59	15,38	I took out the object glass to remove a screw which was rattling about on the inside of the telescope; the screw appeared to belong to the rackwork motion employed for moderating the light;—after which by inversion I found C = — 14″,50.
	28	3,16	11,76	14,92	
	31	1,91	13,27	15,18	
April	3	1,70	13,58	15,28	
	6	1,62	14,90	16,52	
	9	1,17	14,65	15,82	
	12	1,95	13,66	15,61	
	15	1,90	13,08	14,98	
	18	1,36	13,08	14,44	
	18	2,41	11,44	13,85	Mean = —15″,07
	24	1,04	14,44	15,48	P = — 0,70
					∴ C = —14,37
	27	0,88	11,93	12,81	
	30	1,38	11,93	13,31	
May	3	0,78	12,35	13,13	
	6	0,75	12,35	13,10	
	9	0,66	12,93	13,59	
	12	0,27	12,43	12,70	Mean of 7 = —13″,09
	15	—0,25	13,25	13,00	P = — 0,70
					∴ C = —12,39
	18	+0,07	11,44	11,51	Hot land winds set in.
	21	0,74	10,83	11,57	
	24	1,00	10,67	11,67	
	27	0,16	10,94	11,10	
	30	1,84	11,52	13,36	
June	2	2,69	10,73	13,42	
	5	0,93	11,19	12,12	
	8	0,78	11,44	12,22	Mean of 10 = —11″,94
	11	0,55	11,11	11,66	P = — 0,70
	14	0,07	10,70	10,77	∴ C —11,24
	17	1,12	11,35	12,47	

1837.		L+P	Ref. Col. 2 or C+L	Diff. or C+P	REMARKS, &c.
		"	"	"	
June	20	+0,58	—11,27	—11,85	
	23	1,28	11,77	13,05	
	26	1,23	11,44	12,67	
	29	0,97	11,10	12,07	
July	2	0,72	11,44	12,16	
	5	1,10	10,45	11,55	
	8	0,74	11,60	12,34	
	11	0,95	11,11	12,06	Mean of 10 = —12",23
	14	1,21	10,86	12,07	P = — 0,70
					∴ C = —11,53
	17	0,88	11,11	11,99	
	20	1,47	11,60	13,07	On this day I left Madras, for the purpose of making observations of the magnetic dip and intensity, towards the South, along the coast of India; the observations of the reflecting collimator were made during my absence by *Ragavachariar Bramin.*
	23	1,48	10,37	11,85	
	26	1,42	10,29	11,71	
	29	1,03	10,13	11,16	
August	1	0,84	10,94	11,78	
	4	1,82	10,62	12,44	
	7	2,41	10,29	12,70	
	10	1,64	10,29	11,93	
	13	1,73	10,78	12,51	
	16	1,83	11,44	13,27	
	19	1,90	11,52	13,42	
	22	1,38	10,45	11,83	
	25	1,50	9,46	10,96	Mean of 16 = —12",28
	28	1,86	10,86	12,72	P = — 0,70
	31	1,82	11,27	13,09	C = 11,58
Sept.	3	1,05	13,58	14,63	I should hesitate to employ these numbers, from the strong probability they exhibit of error having been committed in the readings of the reflecting collimator—were it not that the following note is appended to the observation of the 3d September by the Assistant *Ragavachariar Bramin.* "*The equal distances from wire to wire is broad than before.*"*
	6	1,75	13,17	14,92	
	9	1,45	13,99	15,44	
	12	1,40	13,83	15,23	
	15	1,39	12,10	13,49	
	18	1,26	12,27	13,53	
	21	0,91	11,62	12,53	
	24	0,84	10,29	11,13	
	27	1,60	11,60	13,20	
	30	0,50	11,44	11,94	
Oct.	3	2,17	11,77	13,94	
	6	2,26	12,11	14,37	
	9	2,13	11,52	13,65	
	12	1,90	11,44	13,34	
	15	1,87	11,19	13,06	
	18	2,27	11,69	13,96	
	21	2,60	10,62	13,22	
	24	2,50	10,86	13,36	
	27	2,38	11,02	13,40	
	30	2,60	10,94	13,54	
Nov.	2	6,78	5,67	12,45	Mean of 18 = —13",14
	5	6,82	5,67	12,49	P = — 0,70
					∴ C = —12,44

* Given *verbatim et litteratim* from the Level Book.

1837.	L+P	Ref. Col. / 2 or C+L	Diff. or C+P	REMARKS, &c.
	"	"	"	
Nov. 8	+6,74	—5,18	—11,92	
11	5,90	5,34	11,24	
14	5,56	5,18	10,74	
17	5,10	6,00	11,10	
20	4,78	6,50	11,28	
23	5,18	5,89	11,07	
26	5,29	5,51	10,80	
29	5,00	5,67	10,67	
Dec. 2	5,09	5,51	10,60	
5	4,99	5,43	10,42	
8	5,33	5,87	11,20	
11	5,70	5,95	11,65	
14	3,58	7,90	11,48	
17	2,85	7,98	10,83	
20	2,25	10,12	12,37	
23	2,50	9,79	12,29	
26	2,40	9,79	12,19	Mean of 18 = —11",29
29	1,99	9,46	11,45	P = — 0 ,70
				C —10 ,59

In the reduction of the observations, these *mean* values of C, together with the reduction to the centre wire (given at pages 1—3), and the correction for Diurnal Aberration, have been applied to each observation; thus, for any day in December 1837, the correction in time $= \frac{-,706 + ,053 + ,020}{\sin \text{N. P. D.}} = \frac{-0,779s}{\sin \text{N. P. D.}}$

ERROR OF AZIMUTH.

If the Transit Telescope be directed to the north horizon, the deviation of the centre wire from the meridian mark is represented by N + C,—(where C represents the error of collimation); and, if a represent the angular deviation of the meridian mark from the meridian,—

The deviation of the centre wire from the Meridian

as exhibited by the North Mark will be $= \pm a \pm N \pm C$

similarly—— ——South Mark will be $= \pm a^1 \pm S \mp C$

and the mean result will be $a = \frac{\pm a \pm a^1 \pm N \pm S}{2}$

In Volume III p. 20, the value of $a - a^1$ was found 93",52, and, since we have found (page 5) the value of $a + a^1$ to be —26",03, we may state the North

Mark to be situated 33",74 to the *West* of the Meridian, and the South Mark to be situated 59",77 to the *East* of the Meridian.

The observations of 1836 furnish a few transits of Polaris with which we will now re-examine the above values—

POLARIS.

1835.	Observed Transit.	Clock Error.	Aberration &c.	Correction for Level.	Correction for Collimation.	Mean Right Ascension January 1, 1836.
	h. m. s.	m. s.	s	s	s.	h. m. s.
Dec. 24	1 2 2,87	—1 10,27	+3,99	—2,47	+23,75	1 1 17,87 + a × 2,370
25	2,99	12,90	4,81			16,19 a^{i} ——
26	7,27	15,15	5,61			19,01 a^{ii} ——
27	7,17	15,98	6,38			18,85 a^{iii} ——
28	8,99	17,37	7,13			20,03 a^{iv} ——
29	9,71	18,10	7,82			20,71 a^{v} ——
30	8,75	19,10	8,50			19,43 a^{vi} ——
31	6,82	20,80	9,20			16,50 a^{vii} ——
1836.						
Jan. 2	8,53	21,83	10,64	—2,31	+25,44	21,47 a^{ix} ——
3	8,08	22,82	11,40			19,79 a^{x} ——
4	9,50	23,48	12,19			21,34 a^{xi} ——
6	4,33	23,23	13,91			18,14 a^{xiii} ——
7	3,83	22,20	14,80			19,56 a^{xiv} ——
8	59,27	20,62	15,69			17,47 a^{xv} ——
10	56,67	18,08	17,39			19,11 a^{xvi} ——

where a^{i}, a^{ii}, &c. represent the Azimuth errors in seconds of space.

POLARIS. S. P.

1835.	Observed Transit.	Clock Error.	Aberration &c.	Correction for Level.	Correction for Collimation.	Mean Right Ascension January 1, 1836.
	h. m. s.	m. s.	s.	s.	s.	h. m. s.
Dec. 25	13 2 25,00	—1, 14,35	+5,21	+1,95	—23,75	13 0 54,07 —a^{i} × 2,408
26	22,95	16,15	6,00			51,00 a^{ii} ——
27	23,31	16,67	6,75			51,59 a^{iii} ——
28	21,48	17,73	7,47			49,42 a^{iv} ——
29	24,53	18,55	8,16			52,34 a^{v} ——
30	27,82	19,90	8,85			54,97 a^{vi} ——
1836.						
Jan. 1	28,93	21,50	10,29	+1,83	—25,44	54,11 a^{viii} ——
3	27,67	23,24	11,80			52,62 a^{x} ——
5	26,88	23,30	13,48			53,45 a^{xii} ——
6	29,35	22,71	14,36			57,39 a^{xiii} ——

We have found above, that any value $a, = \frac{a \pm a'}{2} + \frac{N \pm S}{2}$; in which,—substituting for $\frac{N-S}{2}$, the values found at page 10 &c. we determine.

1835	December	24	a	$= 42,27 - \frac{a-a'}{2}$
		25	a^{i}	$= 42,27 - \text{——}$
		26	a^{ii}	$= 41,25 - \text{——}$
		27	a^{iii}	$= 41,33 - \text{——}$
		28	a^{iv}	$= 41,45 - \text{——}$
		29	a^{v}	$= 41,43 - \text{——}$
		30	a^{vi}	$= 41,26 - \text{——}$
		31	a^{vii}	$= 41,23 - \text{——}$
1836	January	1	a^{viii}	$= 41,29 - \text{——}$
		2	a^{ix}	$= 41,28 - \text{——}$
		3	a^{x}	$= 41,43 - \text{——}$
		4	a^{xi}	$= 41,33 - \text{——}$
		5	a^{xii}	$= 41,46 - \text{——}$
		6	a^{xiii}	$= 41,34 - \text{——}$
		7	a^{xiv}	$= 41,30 - \text{——}$
		8	a^{xv}	$= 41,36 - \text{——}$
		10	a^{xvi}	$= 41,35 - \text{——}$

employing these values of a, a^1 &c. with the above observations, we obtain the

MEAN A. R. OF POLARIS, JAN. 1, 1836.

From observations at the superior culmination. *From observations at the inferior culmination.*

$$*1^{h}\ 1^{m}\ 19{,}03^{s} + \left(41{,}46 - \frac{a-a^1}{2}\right) \times 2{,}370'' = 1^{h}\ 0^{m}\ 53{,}10^{s} - \left(41{,}45 - \frac{a-a^1}{2}\right) \times 2{,}408''$$

from which we readily deduce $a - a^1 = 93'',76$; or $a = 33'',87$ and $a^1 = -59'',89$, agreeing very nearly with the hitherto supposed values. In the reduction of the Observations from January 1st to March 16th 1836, the Azimuth correction has consequently been computed from the formulæ $\frac{N-S-92'',76}{2}$

For the remaining days of the month of March, and up to the end of October 1836,—in consequence of the difficulty of keeping the South Mark in view, (as has been already explained), the distance of the centre wire from the North Mark, or $a \pm N \pm C$ only, was observed; (in which, a has been assumed $33'',87$ as just found, and the values of C have already been given at p. 11 &c). On the 3rd November 1836,—being deprived of the means of measuring the distance of the centre wire from the meridian mark,—as a temporary measure, I adjusted it to the eastern side of it, (as being more nearly in the meridian than its centre); finding however that the azimuth corrections was still inconveniently large,—on the 22d November the Instrument was adjusted to a temporary circular disc, which I had caused to be affixed to the pier which had hitherto supported the old mark; I had intended to have placed this new mark "in the meridian", but from some mistake in the measurement, an alteration of only half the required amount was made;—to remedy this, on the

* Mean A. R. January 1, $\left\{\begin{array}{l} 1836 \\ 1837 \end{array}\right.$ h. m. s. 1 1 6,06 / 22,15

8th December 1836, I adjusted the Instrument to another mark—(a parallelogram), which I had caused to be permanently affixed to the pier, at a still further distance from the old mark, towards the east; this being conveniently situated,—from the 8th December 1836 I have continued to adjust the centre wire when necessary to the mark, instead of measuring as hitherto its distance from it. Calling a'', the azimuth from the meridian, of the side of the old mark, to which the instrument was adjusted from the 3d to the 22d November inclusive; a', the azimuth of the circular disc employed from 23d November 1836 to 17th January 1837, and a, the azimuth of that since employed we can,—from the observations of *Polaris* made about this time, compute their values.

POLARIS.

1836	Observed Transit.	Clock Error.	Aberration &c.	Correction for Level	Correction for Collimation.	Mean Right Ascension January 1, 1837.
	h. m. s.	m. s.	s.			h. m. s.
Nov. 7	1 0 31,00	+ 1 36,35	—17,55	....	....	1 1 49,80 —a'' × 2,368
9	0 39,00	1 27,99	16,92	....	....	50,07 —— ——
10	0 45,00	1 24,11	16,58	....	....	52,53 —— ——
11	0 47,00	1 21,57	16,23	....	....	52,34 —— ——
12	0 49,00	1 19,65	15,87	....	....	52,78 —— ——
Dec. 5	1 18,00	0 24,78	4,56	....	....	38,23 —a' × 2,370
6	1 23,65	0 19,50	3,93	....		39,22 —— ——
7	1 31,67	0 16,60	3,29	....	....	44,98 —— ——
10	1 27,20	0 4,25	1,37			30,08 —a × 2,370
11	1 23,00	0 3,23	0,72			25,61 —— ——
12	1 25,00	0 2,24	0,05			27,19 —— ——
17	1 25,10	1 2,73	+ 3,42		....	30,25 —— ——
18	1 21,00	1 6,42	4,12	....	....	31,54 —— ——
19	1 16,00	1 10,12	4,82	....	....	30,94 —— ——
20	1 10,00	1 13,67	5,55	....	....	29,22 —— ——
21	1 8,00	1 17,22	6,28	....	....	31,50 —— ——
23	1 0,00	1 24,46	7,77	....	....	32,23 —— ——
24	0 59 56,00	1 27,88	8,50	....	....	32,36 —— ——
26	59 50,00	1 34,52	9,98	....	....	34,50 —— ——
31	59 28,00	1 49,40	13,81	....	....	31,21 —— ——
1837 Jan. 2	59 20,00	1 53,39	15,40	....	....	28,79 —— ——
3	59 19,00	1 54,12	16,21	....	....	29,33 —— ——
4	59 15,00	1 55,88	17,01	....	....	27,89 —— ——
5	59 12,00	1 56,76	17,81	....	....	26,57 —— ——
6	1 2 12,00	— 1 2,50	18,59	....	....	28,09 —— ——
7	2 14,00	1 1,40	19,40	....	....	32,00 —— ——
8	2 8,50	1 0,05	20,20	....	....	28,65 —— ——
9	2 6,17	0 58,60	20,99	....	....	28,56 —— ——
10	2 10,50	0 57,10	21,78	....	....	35,18 —— ——
11	2 5,25	0 55,60	22 57	....	....	32,22 —— ——
12	2 2,75	0 53,66	23,37	....	....	32,46 —— ——

POLARIS S. P.

1836.	Observed Transit.	Clock Error.	Aberration &c.	Correction for Level.	Correction for Collimation.	Mean Right Ascension January 1, 1837.
	h. m. s.	m. s.	s.			h. m. s.
Dec. 20	13 0 55,75	+1 15,44	+5,92	....	....	13 1 17,11—a × 2,408
26	12 59 30,00	1 36,00	10,37	....	....	16,37—
1837						
Jan. 2	12 59 14,00	1 53,75	15,81	....	....	23,56—
3	59 13,00	1 55,00	16,61	....	....	24,61—
4	59 3,25	1 56,32	17,41	....	....	16,97—
5	13 2 4,33	—1 3,63	18,20	....	....	18,90—
6	1 59,00	1 1,95	18,99	....	....	16,04—
7	1 52,17	1 0,62	19,80	....	....	11,35—
8	1 51,25	0 59,32	20,59	....	....	12,52—
9	1 55,25	0 57,85	21,38	....	....	18,78—
10	1 50,75	0 56,21	22,17	....	....	16,71—
11	1 50,50	0 54,63	22,97	....	....	18,84—

Taking the mean, we have from

			Mean A. R. Polaris January 1, 1837.
			h. m. s.
5 observations above Pole	....	....	1 1 51,50 ± a'' × 2,368
3 ——— ——— —	....	....	1 1 40,81 ± a' × 2,370
23 ——— ——— —	....	....	1 1 30,28 ± a × 2,370
12 ——— below —	....	....	13 1 17,65 ± a × 2,408

For the determination of a'' and a' we must now employ the already found mean place for January 1, 1837 = 1*h.* 1*m.* 22,15*s.*

when $a'' = 12'',40$ West
$a' = 7'',87$ ——
$a = 2'',64$ ——

As a confirmation of the value of a, I have lately measured the angular distance between the old mark and the one now in use, when, from the mean of several measures—

The new mark appeared to be situated 31″,29 to the East of the old mark.
The old mark we have found to be 33″,87 West of the meridian.
∴ The new mark is situated 2″,58 West of the meridian.

And for a confirmation of the situation of the mark which gave rise to the value a'',—this I find to be situated 21″,97 East of the old mark.
The old mark is situated 33″,87 West of the meridian.
∴ a'' = 11″,90 West of the meridian.

We will now proceed with the values of N & S given at page 11 &c. to compute the values of (A,) the deviation in Azimuth—

1836.	N—S	A or $\frac{N-S-93'',76}{2}$	Remarks, &c.	1836.	N—S	A or $\frac{N-S-93'',76}{2}$	Remarks, &c.
	′ ″	″			′ ″	″	
Jan. 1	1 22,59	—5,58		Feb. 4	1 22,36	—5,70	
2	22,56	5,60		5	22,29	5,73	
3	22,86	5,45		6	22,60	5,58	
4	22,66	5,55		7	22,50	5,63	
5	22,93	5,41		8	22,47	5,64	
6	22,69	5,53		9	22,49	5,63	
7	22,59	5,58		10	22,50	5,63	Mean of 10 = — 5″,63
8	22,73	5,51		11	22,64	5,56	
9	22,83	5,47		12	22,93	5,41	
10	22,70	5,53	Mean of 10 = — 5″,21	13	23,34	5,21	
11	22,50	5,63		14	23,04	5,36	
12	22,63	5,56		15	23,58	5,09	
13	22,74	5,51		16	23,50	5,13	
14	22,35	5,70		17	23,54	5,11	
15	22,08	5,84		18	23,44	5,16	
16	22,24	5,76		19	23,21	5,27	Mean of 9 = — 5″,26
17	22,32	5,72		20	24,59	4,59	I took out the object glass to clean it.
18	21,94	5,91		21	24,95	4,40	
19	21,87	5,94		23	25,30	4,23	
20	22,12	5,82	Mean of 10 = — 5″,74	24	24,32	4,72	
21	22,42	5,67		25	24,62	4,57	
22	22,32	5,72		26	24,38	4,69	
23	22,19	5,78		27	24,46	4,65	
24	22,70	5,53		28	24,28	4,74	
25	22,18	5,79		29	24,06	4,85	
26	22,32	5,72		March 1	23,87	4,94	
27	22,53	5,61		2	24,00	4,88	
28	22,53	5,61		3	24,14	4,81	
29	22,80	5,48		4	24,06	4,85	
30	22,70	5,53	Mean of 10 = — 5″,64	8	23,62	5,07	
31	22,73	5,51		10	23,93	4,91	
Feb. 1	22,49	5,63		15	23,82	4,97	
2	22,42	5,67		16	24,14	4,81	Mean of 17 = — 4″,75

The South Mark being invisible (by reason of trees having grown in the way), the observation of the North Mark only will be attended to in future.

1836.	N	C	N—C—33″,87 = A	Remarks.	1836.	N	C	N—C—33″,87 = A	Remarks.
	″	″	″			″	″	″	
Mar. 22	+ 38,42	+ 8,62	—4,07		Mar. 30	+ 38,32	+ 8,62	—4,17	
23	38,12	..	4,37		31	38,29	..	4,20	
24	38,39	..	4,10		April 1	38,39	..	4,10	Mean of 10 = — 4″,20
25	38,32	..	4,17		2	38,39	..	4,10	
26	38,42	..	4,07		3	38,32	..	4,17	
28	38,18	..	4,31		4	38,18	..	4,31	
29	38,08	..	4,41		5	38,18	..	4,31	

1836.	N	C	N—C—33″,87 = A	REMARKS.	1836.	N	C	N—C—33″,87 = A	REMARKS.
	″	″	″			″	″	″	
April 6	+38,25	+ 8,62	—4,24		May 29	+43,13	+12,51	—3,25	
7	38,15	..	4,34		30	43,31	..	3,07	Mean of 11 = — 3″,45
8	38,22	8,80	4,45		31	43,13	11,45	2,19	
9	38,46	..	4,01		June 1	43,21	..	2,11	
10	38,25	..	4,42		2	43,34	..	1,98	
11	38,36	..	4,31	Mean of 10 = — 4″,27	3	43,13	..	2,19	
12	37,91	..	4,76		4	43,06	..	2,26	
13	37,98	..	4,69		5	43,34	..	1,98	
14	38,29	..	4,38		6	43,95	..	1,37	
15	38,42	..	4,25		7	43,56	..	1,76	
16	38,35	..	4,32		8	43,45	..	1,87	
17	38,65	..	4,02		9	43,56	..	1,76	
18	38,39	..	4,28		10	43,56	..	1,76	
19	38,42	..	4,25		11	43,24	..	2,08	
20	38,29	..	4,38		12	43,49	..	1,83	
21	38,18	..	4,49	Mean of 10 = — 4″,38	13	43,31	..	2,01	Mean of 14 = — 1″,94
22	38,49	..	4,18		14	43,13	..	2,19	
23	38,46	9,16	4,57		15	42,65	..	2,67	
24	38,70	..	4,33		16	42,62	..	2,70	
25	38,78	..	4,25		17	42,83	..	2,49	
26	38,81	..	4,22		18	42,96	..	2,36	
27	38,87	..	4,16		19	42,89	..	2,43	
28	38,66	..	4,37		20	43,13	..	2,19	
29	38,52	..	4,51		21	42,99	..	2,33	
30	38,66	..	4,37	Mean of 10 = — 4″,37	22	43,28	..	2 04	
May 1	38,29	..	4,74		23	42,86	..	2,46	Mean of 10 = — 2″,39
2	38,22	..	4,81		24	42,86	..	2,46	
3	38,66	..	4,37		25	42,76	..	2,56	
4	38,49	..	4,54		26	42,96	..	2,36	
5	38,42	..	4,61		27	42,96	..	2,36	
6	38,35	..	4,68		28	42,99	..	2,33	
7	38,35	..	4,68		29	42,86	11,59	2,60	
8	38,94	..	4,09		30	42,89	..	2,57	
9	38,84	..	4,19		July 1	42,62	..	2,84	
10	41,07	12,51	5,31		2	43,21	..	2,25	
11	41,97	..	4,41	Mean of 10 = — 4″,57	3	43,13	..	2,33	Mean of 10 = — 2″,47
12	41,68	..	4,70		4	42,89	..	2,57	
13	42,00	..	4,38		5	43,06	..	2,40	
14	42,24	..	4,14		6	43,24	..	2,22	
15	41,79	..	4,59		7	43,17	..	2,29	
16	41,61	..	4,77		8	43,14	..	2,32	
17	41,93	..	4,45		9	43,31	..	2,15	
18	42,30	.	4,08		10	43,31	..	2,15	
19	42,33	..	4,05	Mean of 8 = — 4″,39	11	43,31	..	2,15	
20	42,65	..	3,73		12	43,31	..	2,15	
21	42,72	..	3,66		13	43,59	..	1,87	Mean of 10 = — 2″,23
22	42,86	..	3,52		14	43,41	..	2,05	
23	42,86	..	3,52		15	43,66	..	1,80	
24	42,96	..	3,42		16	43,73	..	1,73	
25	42,89	..	3,49		17	43,83	..	1,63	
26	42,93	..	3,45		18	43,91	..	1,55	
27	42,86	..	3,52		19	43,76	..	1,70	
28	43,03	..	3,35		20	43,73	..	1,73	
		..							

Error of Azimuth.

1836.	N	C	N—C—33″,87 = A	Remarks.
	″	″	″	
July 21	+43,66	+11,59	—1,80	
22	43,54	..	1,92	Mean of 9 = — 1″,77
23	43,54	10,40	0,73	
24	43,38	..	0,89	
25	43,56	..	0,71	
26	43,59	..	0,68	
27	43,63	..	0,64	
28	43,59	..	0,68	
30	43,87	..	0,40	
31	43,69	..	0,58	
Aug. 1	43,48	..	0,79	
2	43,66	..	0,61	Mean of 10 = — 0″,67
3	43,63	..	0,64	
4	43,31	..	0,96	
5	43,34	..	0,93	
6	43,52	..	0,75	
7	43,34	..	0,93	
8	43,17	..	1,10	
9	43,69	..	0,58	
10	43,69	..	0,58	
11	43,34	..	0,93	
12	43,41	..	0,86	Mean of 10 = — 0″,83
13	44,01	..	0,26	
14	43,66	..	0,61	
15	43,52	..	0,75	
16	43,69	..	0,58	
17	43,80	..	0,47	
18	43,83	..	0,44	
19	43,90	..	0,37	
20	43,80	..	0,47	
21	43,69	..	0,58	
22	43,59	..	0,68	Mean of 10 = — 0″,52
23	43,90	..	0,37	
24	43,63	..	0,64	
25	43,63	..	0,64	
26	43,69	..	0,58	
27	45,30	12,16	0,73	Mean of 5 = — 0″,59
28	44,34	..	1,69	
29	44,07	..	1,96	
30	44,14	..	1,89	
31	44,07	..	1,96	
Sep. 1	44,08	..	1,95	
2	43,87	..	2,16	
3	43,90	..	2,13	Mean of 7 = — 1″,96
4	43,21	..	2,82	
5	43,48	..	2,55	
6	43,55	..	2,48	
7	43,76	..	2,27	
8	43,21	..	2,82	

1836.	N	C	N—C—33″,87 = A	Remarks.
	″	″	″	
Sep. 9	+43,21	+12,16	—2,82	
10	43,31	..	2,72	
11	43,13	..	2,90	
12	43,00	..	3,03	
13	42,89	..	3,14	Mean of 10 = — 2″,75
14	42,77	..	3,26	
15	43,28	..	2,75	
16	43,03	..	3,00	
17	43,17	..	2,86	
18	43,20	..	2,83	
19	43,03	..	3,00	
20	43,31	..	2,72	
21	43,03	..	3,00	
22	43,38	..	2,65	
23	43,31	..	2,72	Mean of 10 = — 2″,88
24	43,34	..	2,59	
25	43,37	..	2,66	
26	43,31	..	2,72	
27	43,03	..	3,00	
28	43,06	..	2,97	
Oct. 2	42,88	..	3,15	
3	43,39	..	2,64	
4	43,00	..	3,03	
5	43,38	..	2,65	
6	42,96	..	3,07	
7	43,13	..	2,90	
8	43,31	..	2,72	
9	43,62	..	2,41	Mean of 13 = — 2″,81
10	39,18	10,55	5,24	
11	39,28	..	5,14	
12	39,45	..	4,97	
13	39,55	..	4,87	
14	39,52	..	4,90	
15	39,76	..	4,66	
16	40,46	..	*3,96	
17	39,76	..	4,66	
18	39,93	..	4,49	
19	39,79	..	4,63	
20	39,52	..	4,90	
21	39,93	..	4,49	
22	39,86	..	4,56	
23	39,79	..	4,63	
24	39,59	..	4,83	
25	39,67	..	4,65	
26	40,03	..	4,39	
27	40,18	..	4,24	
28	40,36	..	4,06	
29	39,66	..	4,76	Mean of 19 = — 4″,68

* This is omitted in taking the Mean.

On the 3rd November 1836 the centre wire was brought to touch the *edge* of the North mark; hence, *from this date up to the* 21*st November* 1836 *the Instrumental error in Azimuth* was NORTH 12″,40 WEST.

On the 22d November I adjusted the centre wire to bisect a mark which had been erected to the East of the above;—hence, as has already been shewn; —*from this date up to the 7th December* 1836 *the Instrumental error in Azimuth was* NORTH 7″,87 WEST.

On the 8th December the Instrument was adjusted to a permanent mark which I had caused to be erected nearly in the direction of the meridian, upon the old Northern Pier; hence;—

from the 8th December 1836 to 17th January 1837 the Instrumental error in Azimuth was } N 2″,64 W.

In the intervals just alluded to, the coincidence of the centre wire with the mark was examined every day at Sun rise and Sun set, and on two occasions—On January 6th, and 8th, a small correction of the bisection was made for a deviation to the East of the meridian.

Since the 18th January 1837, the coincidence of the centre wire with the mark has been examined every day at Sun rise and Sun set, and adjustment made when necessary; hence, if C represent the error of Collimation, the Azimuth error A=C± 2″,64; thus—

1837	C ″	A ″	
Jan. 18 to Feb. 10	—10,78	— 8,14	I increased the Collimation, and consequently the Azimuthal error.
Feb. 10—April 26	14,37	11,73	In this interval no adjustment to the mark was found necessary.
April 27—May 15	12,39	9,75	On the 27th April, an adjustment was made for a deviation of about 2″ to the East of the N. Meridian.
May 16—June 14	11,24	8,60	In this interval no adjustment to the mark was found necessary.
June 15—July 14	11,53	8,89	On the 25th June, at Sun set, adjustment was made for a deviation of about 1″ to the West of the N.
July 15—Aug. 31	11,58	8,94	Observed by my head assistant *Ragavachariar*—No adjustment to the meridian was necessary during this period.
Sept. 1—Sept. 12	15,06	12,42	Observed by *Ragavachariar* (see p. 16) but an adjustment necessary—It happens fortunately, that during this doubtful period, it was cloudy weather.
Sept. 13—Nov. 5	12,44	9,80	Up to October, 15th, the observations were made by *Ragavachariar*—to whom I had entrusted them during my absence, with orders not to attempt an adjustment, but to make an estimate of the errors if any:—his remarks are as follows— "September 21st *morning being Astronomical day—The centre wire does not bisect the mark*," appended to this is a drawing of the appearance of the mark and wire, from which I estimate that a deviation of 1″ to the East

			then existed; but on the evening of the same day he remarks— "22nd *We can not find that difference but it was seen right as before.*"
Nov. 6—Dec. 31	10,59	7,95	An adjustment was made on the 13th for a deviation of about 1″ to the West.

REDUCTIONS EMPLOYED.

The places of the known stars have been corrected for Aberration, Nutation, and Precession, from the values of *a, b, c, d,* &c. given in the Royal Astronomical Society's Catalogue, in conjunction with those of A, B, C, D, furnished in the Nautical Almanac; save that a correction has been made when necessary to adapt these latter values to the instant of the Star's Transit.

The table of Refractions employed, is that constructed by *Mr. Henry Atkinson,* and printed in the 2d Volume of the Astronomical Society's Memoirs, using the "*in door*" thermometer:—The remaining corrections for the Sun or Planets, have been derived either from the Nautical Almanac, or from Mr. Baily's Astronomical Tables.

In the reduction of the Moon's Place, the ratio of the Polar and Equatoreal Axes of the Earth has been taken at 299 : 300

from which we get *the angle of the vertical* = 5′ 0″
——————————Radius of the Earth = ,999825

ERROR AND RATE OF THE TRANSIT CLOCK.

The error of the Transit Clock has been determined with reference to the Madras Results given in Vol. II.; selecting those stars only which have been frequently observed—which are situated near to the Equinoctial, and which differ less than one tenth of a second from the Greenwich Catalogue.*

In general it has been my custom to divide the hours of observing into "*watches*" of three hours each, and to observe during each *watch*--three of these

* The Greenwich Catalogue here alluded to, refers to that of 720 Stars for 1830, published in 1829 or 1830—there have (I believe) been later catalogues issued from the Greenwich Royal Observatory, but I have not been so fortunate as to obtain a copy.

stars for the determination of the Clock Error;—by this arrangement, any irregularity in the going of the Clock is rendered of little consequence, since the rate is trusted only for one and a half or two hours at most; with regard to the Sun, and the Planets Mercury and Venus,—it frequently happens from clouds or haze, that no star has been observed within 6 or 8 hours of their passage; in this case—when the rate has appeared irregular, I have cancelled the observation. In the comparison of the errors of the Clock on one night, with those of another, for the rate, as well as in their employment for the determination of the places of the unknown Stars, it has always been my custom to compare the results of each observer with his own observations only; by which means, the *direct* influence of *personal equation* is avoided; from a recent examination however, I am happy to find that this perplexing and unaccountable source of error, reaches to a very trifling amount in the observations composing the present volume.

In a former volume I mentioned having endeavored to exclude insects from the works of the clock, by making the case as nearly as practicable, air tight; in this particular however I have since been compelled to relax a little, in consequence of the extremely faint beat of the clock—being lost by the unavoidable noise of the observer at the circle, or by the least noise of natives or conveyances passing in the road; the result has been, that on two occasions during the last two years, I have been able satisfactorily to account for the ill going of the clock, by finding a spider's line attached to the pendulum; at other times—other causes apparently have operated; thus, on the 27th January 1836 the clock was cleaned, when from some cause not apparent, it continued to lose on its rate until the 8th March, when it was regulated; after this it continued to lose further upon its rate until the 1st May, when the thick state of the oil upon the escapement was the only apparent circumstance to account for the previous ill going; the oil I had applied was ordinary salad oil, but the temperature of from 95 to 105 Fahrenheit (which is usual for several hours during the day at this time of the year) fully accounts for its having become thick.

1836.	Daily Rate.	Remarks.	1836.	Daily Rate.	Remarks.
	s			s	
Jan. 3	+1,01		Feb. 25	—4,88	
4	0,68		26	3,96	
6	—0,09		27	3,72	
7	1,17		28	4,71	
8	1,67		29	4,92	
9	1,26		Mar. 1	5,18	
10	1,23		2	4,99	
11	2,73		3	4,81	
13	4,80		5	5,44	
14	3,03		6	5,48	
15	4,27		7	5,46	
16	5,00		8		I regulated the Clock.
17	5,85		9	+1,01	
18	6,02		10	+1,01	
19	6,70		11	+0,18	
20	6,41		12	—0,31	
21	6,75		13	0,85	
22	6,60		14	3,70	
23	6,88		15	5,53	
24	7,20		16	5,61	
25	8,31		17	2,69	
26	7,18		18	2,33	
27		On cleaning the Clock I found	19	3,09	
28	1,90	a spider's line attached to	20	3,16	
29	2,34	the pendulum.	21	2,32	
30	1,55		22	2,83	
31	0,65		23	2,35	
Feb. 1	2,42		25	3,48	
2		Wound up the Clock.	26	4,02	
3	2,41		27	4,23	
4	2,41		28	4,18	
5	2,19		29	4,38	
6	3,20		30	4,59	
7	1,72		31	4,77	
8	1,10		April 1	4,72	
9	1,05		2	4,99	
10	0,98		3	4,94	
11	0,87		4	5,85	
12	0,76		5	5,36	
13	0,99		6	5,80	
14	1,73		7	5,25	
15	0,91		8	4,59	
16	1,42		9	4,85	
17	1,73		10	4,45	
18	2,21		11	4,44	
19	2,76		12	4,61	
20	3,20		13	4,88	
21	3,87		14	5,03	
22	3,38		15	5,07	
23	3,48		16	5,04	
24	3,64		17	5,10	

1836.	Daily Rate.	REMARKS.	1836.	Daily Rate.	REMARKS.
	s			s	
April 18	—5,77		June 19	—4,67	
19	5,38		20	4,25	
20	4,77		28	4,95	
21			30	4,73	
22	4,57		July 3	3,05	
23	4,88		4	3,84	
24	4,98		9	4,25	
25			10	3,52	
26	5,05		14	3,95	
27	5,38		15	4,70	
28	5,51		16	4,35	
29	5,83	Oil thick—cleaned and regulated the clock.	17	5,22	
30	—5,04		18	2,22	Regulated the Clock.
May 1	+2,51		19	2,25	
2	2,76		22	2,47	
3	2,33		26	2,90	
4	2,33		27	1,63	
5	3,13		28	0,90	Continued cloudy weather.
6	2,86		30	0,92	
8	2,86		Aug. 2	0,08	
9	3,40		4	0,03	
11	5,75		9	+0,96	
15	3,29	Wound up the clock, put it back 3 minutes and regulated it.	10	1,72	
16			11	1,45	
18	—5,75		14	1,65	
19	4,17		16	2,13	
20	4,02		17	2,75	
21	4,27		19	2,21	
22	4,70		21	2,59	
23	4,00		23	3,51	
24	3,99		27	4,88	
25	4,29		28	4,54	Continued cloudy weather, I regulated the clock.
26	3,97		Sep. 6		
28	4,31		7	—4,26	
29	4,40		8	3,22	
30	4,33		9	3,64	
31	4,36		10	2,40	
June 1	3,99		11	2,54	
5	4,07		12	1,94	
6	3,86		13	1,55	
7	4,49		14	1,80	
8	4,69		15	0,59	
9	4,46		16	1,75	
10	5,00		20	2,02	
11	5,04		21	1,96	
12	5,17		23	2,78	
13	5,38		24	1,81	
14	5,02		25	2,75	
15	5,12		26	2,15	
17	4,00		30	2,00	
18	4,70		Oct. 1	2,66	

Daily Rate of the Transit Clock.

1836.		Daily Rate.	Remarks.
		s	
Oct.	2	—3,12	
	3	3,88	
	6	2,53	
	7	1,70	
	8	1,62	
	9	2,12	
	10	1,69	
	11	2,16	
	12	2,61	
	13	3,16	
	14	3,33	
	15	2,91	
	16		
	17	3,10	
	18	2,97	
	19	0,61	
	20	1,33	
	21	1,52	
	22	1,47	
	23	1,70	
	25	2,24	
	26		
	27	2,65	
	28	2,80	Mostly cloudy weather. It blew a hurricane on the 31st.
Nov.	7	+2,38	
	8	3,53	
	9	4,28	
	10	4,20	
	11	1,26	
	12	1,78	
	13	3,00	
	18	3,20	
	22	1,06	
	23	1,00	
	24	0,92	
	25	0,52	
	26	0,38	
	27	0,48	
	28	0,78	
	29	3,00	
Dec.	1	2,65	
	2	4,38	
	3	3,99	
	4	4,75	
	5	5,13	
	6		Wound up the clock and applied oil to the pallets.
	10	2,85	
	11	0,58	
	12	0,70	
	17		Wound up the clock.
	18	—3,64	

1836.		Daily Rate.	Remarks.
		s	
Dec.	19	—3,10	
	20	3,43	
	21	3,60	
	23	3,66	
	24	3,28	
	26	3,43	
	31	2,96	
1837.			
Jan.	1	1,72	
	3	1,59	
	4	1,42	
	5		Put clock backward three minutes.
	6	1,22	
	7	0,87	
	8	1,37	
	9	1,59	
	10	1,17	
	11	1,17	
	12	1,82	
	13	1,46	
	15	1,10	Wound up the clock.
	19	3,44	
	20	2,00	
	21	2,19	
	22	1,83	
	23	1,30	
	24	0,94	
	25	0,90	
	26	1,35	
	27	1,30	
	28	0,62	
	29	1,07	
	30	0,38	
	31	1,20	
Feb.	2	—0,31	
	3	+0,38	
	4	—0,19	
	5	+0,10	
	6	—0,07	
	7	0,09	
	8	1,73	
	9	0,45	
	10	0,57	
	11	0,71	
	12	0,88	
	13	—0,28	
	14	+0,26	
	15	0,28	
	16	0,24	
	17	0,53	
	18	0,38	

1837.		Daily Rate.	Remarks.
		s.	
Feb.	19	+0,19	
	20	1,38	
	21	+0,22	Continued cloudy weather.
	26	—3,00	
	27	3,49	
	28	3,74	
Mar.	1	4,78	
	2	5,00	
	4	5,00	
	5	4,18	
	6	4,41	
	7	4,73	
	8	3,81	
	9	3,96	
	10	3,32	
	11	4,42	
	12	4,90	
	13	5,35	
	14	4,77	
	15	4,69	
	16	4,37	
	17	3,95	
	18	3,35	
	19	4,20	
	20	4,46	
	21	3,53	
	22	3,12	
	23	4,77	
	24	5,62	
	25	5,16	
	26	4,71	
	27	3,63	
	28	4,51	
	29	6,44	
	30	5,94	
	31	6,75	
April	1	7,30	
	2	6,44	I examined the clock and removed a fine thread which had been attached to the pendulum by some mischievous spider.
	3		
	4		
	5		
	7	—0,60	
	8	—0,85	
	9	—1,73	
	11	+0,26	
	12	+0,67	
	13	+0,26	
	14	—2,79	
	15	2,22	
	16	1,25	
	17	1,50	

1837.		Daily Rate.	Remarks.
		s.	
April	18	—1,80	
	19	1,76	
	20	1,41	
	21	1,51	
	22	2,00	
	23	1,97	
	24	2,35	
	25	2,20	
	26	2,31	
	27	2,25	
	28	2,36	
	29	3,00	
	30	1,68	
May	1	2,76	
	2	2,45	
	3	1,91	
	4	1,69	
	5	2,16	
	9	2,36	
	10	2,41	
	11	2,90	
	12	2,47	
	15	2,75	
	16	2,68	
	17	2,60	
	18	2,20	
	24	3,04	
	28	3,07	
	30	3,98	
	31	3,37	
June	6	2,49	
	7	1,98	
	8	2,18	
	9	2,80	
	10	2,40	
	11	2,82	
	13	3,28	Mostly cloudy weather, peculiar to the S.W. Monsoon.
	14	3,15	
	16	3,44	
	20	2,95	
	26	3,45	
	29	3,80	
	30	3,20	
July	3	2,65	
	8	2,50	
	9	2,46	
	10	2,97	
	11	2,73	
	13	3,29	
	14	3,55	
	15	4,36	

1837.		Daily Rate.	Remarks.	1837.		Daily Rate.	Remarks.
		s.				s.	
July	16	—4,41		Oct.	12	—1,04	
	19	4,59			13	0,86	
	20	4,65			14	0,56	
Aug.	2	1,50	Continued cloudy weather.		15	0,08	
	8	1,56			16	1,29	The seconds hand tript in winding.
	9	1,63			17		
	10	1,16			23	1,54	
	11	1,54			24	1,61	
	12	1,50			25	1,60	
	13	1,65		Nov.	6	1,41	Continued cloudy weather.
	20		Continued cloudy weather.		7	1,51	
	21	2,31			8		
	22	1,33			12	1,03	
	23	0,58			17		The seconds hand went backwards in winding.
	27	2,34			21	1,71	
	28	1,43			24	3,40	
	29	0,65			26	3,85	
	30	0,44			27	2,90	
Sep.	14	2,75			28	2,27	
	15	2,60			29	2,56	
	16	2,09		Dec.	15	2,09	
	17	1,77			16	2,39	
	18	1,40			17	2,20	
	19	1,78			18	2,54	
	20	1,76			19	2,79	
	21	1,78			20	2,57	
	22	1,71			21	2,30	
	23	1,88			24	4,08	
	24	1,38			25	2,85	
	25	1,87			26	2,57	
	26	1,01			27	2,91	
	27	1,51			28	2,55	
	28	0,96			29	3,19	
Oct.	10	1,22					

METEOROLOGICAL INSTRUMENTS EMPLOYED.

The Barometer employed at the commencement of 1836 and up to the end of October of that year, was a Standard (No. 6.) by Gilbert, which, as has been explained in Vol. III., I had been allowed to select from several, which were supplied to the Surveyor General's Department at Calcutta; the diameter of the tube was 0,22 inches, and the zero correction—0,006 inches; rendering necessary to the registered observations, the correction for temperature +0,051 — 0,006; or, where in the table of refractions allowance is made for

the temperature of the quicksilver,—the correction +,045 is simply necessary.——The thermometers employed during this period were, a Standard by Troughton (which when in England I had carefully compared with the Royal Society's Standard), and one by Jones, which agreed to identity with it; the former being employed outside, and the other inside the building. During the Storm on the 31st October, neither of these Iustruments escaped destruction, so that I had now no remedy left, but that of filling a tube;—accordingly I availed myself of two unbroken glass tubes and cisterns, and the brass scales of the barometers hitherto employed, and set to work as follows; the quicksilver was purified by repeated washings in diluted nitric acid, and was then heated to a temperature little short of boiling water to drive off moisture: the tube was now heated—the hot mercury gradually poured in, and a small air bubble sent up in the usual way to collect stray bubbles:—after filling two tubes in this way with as much care as it was possible to bestow, finding that a difference of less than one hundredth of an inch existed between them, I concluded, that with the exception of finding the specific gravity of the mercury; all that was necessary to ensure a good barometer and accurate results, had been done; accordingly on the 11th December 1836 I commenced to employ one of these barometers, making an allowance of +0,051 for capilliary action (corresponding to a bore of 0,22 inches). In the interim between 1st November and this date, a barometer by *Tagliabue* was employed, whose correction *then* appeared to be 0,002 inches subtractive.

The Storm had passed away, and its effects had been forgotten in the busy mornings and evenings of the fine months of January and February, and, with the exception of an occasional glance at the two barometers and a feeling of pleasure at their coincidence—no further thought of them was given until the 10th of May: On this day to oblige a friend I had undertaken, after purifying the mercury in his barometer,—to *boil it in the tube;* (a precaution I had feared to undertake with my own, having no spare tubes): On comparing the barometer thus constructed with the two "Standards"; to my utter astonishment, a correction 0,125 inches additive to both of mine, appeared necessary;—at first I felt convinced that the error lay with the newly constructed barometer, but *after boiling the mercury in the tubes* of the two hitherto *supposed* Standards, they both exhibited increased readings to the above amount—Since this time I have frequently filled barometer tubes, and have found a coincidence between them and the *now* considered "Standards" which leaves me confident of not being above 0,01 inches in error. To ascertain at

what date this correction ought to commence, or if its progress had been gradual, I compared the meteorological observations of November 1836 with those of former years* when it was at once evident that the correction was due to all observations since the storm. Hence, in the observations of November 1836, and up to 10th May 1837 the correction +,125 is necessary for zero error, and +,051 for capilliary action, and for subsequent observations, the latter correction only should be employed.

The Thermometers employed since the Storm, are two by Bate, of an ordinary description, which at my request had been sent out to this country for rough purposes by the Honorable Court of Directors: I took the precaution on receiving them (which was a few days before the Storm) to note their difference (at 75°) from the Standard hitherto in use, when neither of them differed more than two tenths of a degree: with this testimony of their accuracy, there need be no fear of their errors at any point in the scale being of importance.

OF THE MURAL CIRCLE.

This Instrument having been minutely described in Vol. I., it is only necessary here to state, that the focal length of the telescope is 49 inches, with a clear apperture of 3¾ inches; and that the diameter of the circle is four feet:—The divisions are beautifully cut on a slip of gold (let in upon the circumference of the wheel) to every 5 minutes, and the sub-division of these is effected by four Microscopes situated at 90° apart, viz. two horizontally and two vertically: the readings of each microscope are registered to a tenth of a second, but the error of making a single bisection at either microscope, arising from *false light* principally, may in some cases amount to 1″,5 but *generally*, I think that the half of this may be stated to be the probable mean error of reading of each microscope.

* The regularity of the barometer in inter-tripical climates will permit this mode of procedure, whereas in a high Latitude; *one*, or even *two* tenths of an inch might be lost sight of in the varied amount of atmospheric pressure which is experienced.

The eye piece is supplied with five vertical and one horizontal fixed wires, and one horizontal moveable wire;—the power employed for astronomical observations is about 120, and for the observation of the collimation, about 70—The stability of the Instrument is equal to any thing that could be desired, a fact, which is well attested, from the circumstance that during the last 4 years I have not had occasion to adjust it either for level or azimuth—and a late examination of the axis, enables me to speak with confidence of its being now after 7 years use, in as good a condition as when it was first erected.

OBSERVATIONS MADE WITH THE MURAL CIRCLE.

In the years 1836 and 1837 the Mural Circle has continued to be employed as heretofore—in the measurement of North Polar Distance—taking the mean of the four microscopes at each observation. In the Computation of the Index Error, I have employed the *Madras Catalogue* published in Vol. II., giving always a preference to those stars which differed the least from the Greenwich Catalogue, and restricting the limit of observations for this purpose to within 20° of the zenith; by this arrangement, the anomaly which has been shewn to exist in the Cambridge Mural Circle (depending probably upon flexure of the horizontal wire)—would here necessarily have but a very trifling effect upon the *Index Error;* to discover its amount when the telescope was directed to the horizon,—in the year 1835 I availed myself of a plan which has already been described in Vol. III., thus—" I directed the Circle Telescope to the North horizon and opposite to it, (in the window sill of the observatory) placed a 46-inch telescope by Dolland, with its object glass presented to that of the circle telescope, and its whole length disposed in a right line with it;—turning the circle through 180° to the South horizon, I, in a similar way disposed another telescope (Dolland's 5 feet): into the focus of the 46 telescope I had fitted a pair of cross lines, and the 5 feet telescope was supplied with a double wire micrometer: matters thus arranged, I took out the circle eye piece and slide, and unscrewed the object glass, leaving a clear aperture of two inches through the circle telescope, by which means, with

the assistance of the micrometer wire, I was ~~enable~~ enabled to adjust the line of collimation of the 5 feet telescope to parallelism with that of the 46-inch placed in the opposite window; this done, I replaced the eye piece, screwed in the object glass, and immediately measured the angular distance between the telescopes; to guard against movement of the telescopes, the observation was not considered complete, till the object glass of the circle telescope had again been removed, and the parallelism of the two other telescopes again examined; but the telescopes having been very securely fixed, no movement whatever was detected during the time of making the observations (about three hours".)

The result of several measurements in this way shewed that the angular distance between the two marks was,— reckoning from the South horizon in the direction through the *Nadir** = 180° 0′ 0″,38 exhibiting a negative flexure to the amount 0″,19. Whether this remained constant or no during the early part of 1836, I have now no means of ascertaining; but on the 27th August, some rain having leaked through the roof, broken the wires, and wetted the inside of the object glass; I availed myself of the necessity of taking out the object glass, to repeat the above experiment. Having put in a new set of silk lines;—from the mean of 5 separate measurements; the angle between the South Telescope through the Nadir up to the North Telescope, was 179° 59′ 58″,88: exhibiting a positive flexure of 0″,56 when directed to the horizon:—Since this period no further observation to this end have been made, which has arisen from a desire of not interrupting the observations, and from a fear of accident in taking out the object glass;—enough however has been done, to shew, that the reduction of the observations by using a common Index Error, entails a very trifling amount of error upon the Madras Results. In addition to the Index Error computed from the observed places of known stars, the observations with the Reflecting Collimator have continued to be made three or four times every day; viz. at 0, 6, 12 and 18 hours; by this means a severe check has always been kept upon the Index Error by the stars, and a very accurate knowledge of the difference between the one method and the other determined, of which I have now some idea of availing myself, by giving up the observation of known stars altogether.

* Erroneously stated *per zen* in Vol. III.

Date.	No. of observations.	Index Error by Stars.	REMARKS.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.		′ ″			′ ″	
Jan. 1	6	−2 11,26				
2				5	−2 9,51	
3	7	10,13		5	9,77	−0,36
4	2	9,22		5	10,42	+1,20
5			I took out the axis—cleaned it, and applied fresh oil.	5	9,58	
6	10	17,26		2	17,09	−0,26
7				2	16,91	
8	6	14,31		5	16,83	+2,52
9	9	12,89		5	15,39	
10				3	12,58	−0,31
11	6	12,48	Mean = 2′ 12″,78	3	11,96	−0,52
12						
13	8	12,83		4	11,85	−0,98
14	7	12,91		4	12,69	−0,22
15	9	11,56		4	11,60	+0,13
16				4	11,78	
17	10	10,55		4	11,60	+1,20
18				4	11,90	
19	7	10,01		4	11,31	+1,30
20	7	8,91		3	10,68	+1,77
21	6	9,02		2	8,65	−0,27
22				3	8,85	
23	10	9,19		4	9,05	+0,08
24			Mean = 2′ 9″,24	3	9,50	
25	9	9,28		5	9,23	−0,05
26	5	9,34		4	9,21	−0,13
27	8	9,68		4	9,68	0,00
28	7	10,11		4	9,91	−0,20
29	7	10,16		3	10,20	+0,04
30	7	9,88		3	10,56	+0,68
31	5	10,17		5	9,93	−0,24
Feb. 1	11	9,54		3	10,75	+1,21
2	8	10,29		4	9,46	−0,83
3	7	9,97	Mean = 2′ 10″,01	4	10,62	+0,65
4	6	9,91		4	8,03	−1,88
5	7	9,98		4	9,09	−0,89
6	4	10,42		2	10,45	+0,03
7	9	9,85		4	10,45	+0,60
8	5	10,24		4	9,40	−0,84
9	5	9,59		5	9,01	−0,58
10	7	9,28		4	9,00	−0,28
11	4	8,54		4	8,32	−0,22
12	5	8,59	Mean = 2′ 8″,55	5	8,79	+0,20
13	5	7,98		5	8,11	+0,13
14	6	8,54		5	7,50	−1,04
15	5	8,39		4	8,12	−0,27
16	8	5,36		4	4,40	−0,96
17	5	5,66		4	4,81	−0,85
18	7	6,07	Mean = 2′ 5″,75	5	4,38	−1,69
19	9	5,95		4	5,60	−0,35
20				3	6,60	

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.		′ ″			′ ″	
Feb. 21	6	—2 6,43		5	—2 6,00	—0,43
22	6	6,97		5	5,87	—1,10
23	7	7,62		4	5,98	—1,69
24				4	5,89	
25	6	7,78		5	5,06	—2,72
26	7	6,95		5	5,96	—0,99
27	9	6,29		5	6,27	—0,02
28				5	5,47	
29	5	6,77		5	5,84	—0,93
March 1	7	7,17		5	6,12	—0,86
2				5	6,50	
3	5	7,59		5	5,38	—1,79
4				4	6,22	
5	5	6,62		4	6,66	+0,04
6	5	7,33		5	5,56	—1,77
7	5	7,12		3	5,12	—2,02
8				4	5,08	
9	9	7,11		2	4,65	—2,17
10				5	5,23	
11	6	7,88		3	4,24	—3,64
12	6	6,89		5	5,00	—1,89
13	9	7,06		4	5,10	—1,99
14				4	5,05	
15	9	6,72		4	5,50	—0,96
16				4	6,02	
17	7	6,96		4	4,72	—2,24
18	7	6,68		3	4,73	—1,95
19	6	7,02		4	5,04	—1,98
20	6	6,71		5	4,75	—1,96
21	6	6,73		4	4,76	—1,97
22	5	5,97	Mean = 2′ 7″,04	5	4,51	—1,46
23	5	6,27		3	4,32	—1,95
24				3	3,37	
25	6	5,73		3	4,66	—1,07
26	6	6,16		5	4,82	—1,34
27	6	6,00		3	4,33	—1,67
28	5	6,98		4	5,03	—1,95
29	5	5,58		2	3,92	—1,66
30	5	6,24		5	5,71	—0,53
31	7	6,50		2	5,08	—1,42
April 1	7	6,19		4	5,54	—0,65
2	6	5,71		5	6,39	+0,68
3	7	6,65		3	6,74	+0,09
4				4	5,71	
5	7	5,62		5	5,94	+0,32
6	6	6,35		4	4,72	—2,05
7				2	3,89	
8	5	6,44		4	4,71	—1,73
9				4	3,85	
10	6	6,02		4	3,77	—2,25

Date.		No. of observations.	Index Error by Stars.		Remarks.	No. of observations.	Index Error by Reflecting Collimator.		Difference.
1836.			′	″			′	″	
April	11	10	—2	6,04		4	—2	4,44	—1,81
	12					4		4,02	
	13	5		5,18		3		3,83	—1,35
					Mean = 2′ 6″,09				
	14	7		1,69		5		2,16	+0,47
	15	5		1,82		5		0,72	—1,10
	16	7		1,76		4		0,23	—1,53
	17	8		1,85		5		1,79	—0,06
	18	8		2,76		4	1	59,36	—2,85
	19					5	1	59,86	
	20					3	2	0,50	
	21					2	2	2,09	
	22	6		2,13		4		0,33	
	23					5		0,12	—2,01
	24	5		1,51		5		0,50	—1,01
	25	5		1,89		3		0,37	—1,76
	26					4	1	59,90	
	27	6		1,39		3	1	59,55	—1,53
	28					4	2	0,17	
	29	5		0,58		5		0,34	—0,21
	30					5		0,40	
May	1					4		0,21	
	2	5		1,50		3	1	59,73	—1,77
					Mean = 2′ 1″,72				
	3					3	2	0,22	
	4	10		0,88		4	2	0,44	—1,45
	5					4	1	58,87	
	6					3	1	58,91	
	7					4	1	59,60	
	8	9		2,27		5	2	0,38	—1,64
	9					5		0,42	
	10					4		1,60	
	11					5		0,12	
	12					3		0,02	
	13					3		0,27	
	14					2		0,96	
	15	9		2,21		4		1,28	—1,73
	16					3	2	0,20	
	17					4	1	59,97	
	18	8		1,06		4	2	0,25	—0,83
	19					5	2	0,21	
	20	7		1,75		4	2	0,08	—1,87
	21					2	1	59,68	
	22	8		1,86		4	2	0,53	—1,52
	23					4		0,13	
	24					3		0,36	
	25	7		0,90		4		0,37	—0,49
	26					3		1,14	
	27					2		0,15	
	28					3		0,16	
	29					3		0,21	

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.		′ ″			′ ″	
May 30				2	—2 1,13	
31				3	1 58,18	
June 1	6	—2 0,80		2	1 58,98	
2				3	1 57,71	—1,49
3				3	1 59,56	
4				3	2 0,30	
5	7	0,25		3	0,16	—0,16
6				3	0,03	
7	6	2 0,20		2	1 59,99	
8	6	1 59,72		4	2 0,16	—0,04
9	6	2 0,74		3	1 59,94	+0,22
10	6	2 0,15		2	2 1,18	+0,44
11	7	1 59,25		3	1 59,13	—1,02
12	7	1 58,52		3	58,72	—0,53
13	8	59,24		3	58,63	+0,11
14				3	58,17	—2,01
15	9	59,19		3	56,30	
16				3	57,64	
17	7	59,20		4	57,28	—1,73
18				3	57,87	—0,94
19	8	1 58,94		4	58,65	
20				4	57,49	
21				3	57,07	
22				3	57,44	
23				2	58,81	
24				2	58,36	—1,01
25				3	58,07	
26				3	58,12	
27				2	58,23	
28				3	57,76	
29	7	59,70		3	58,18	
30				4	58,87	—0,61
July 1				4	59,43	
2				3	59,89	
3	8	58,82		2	60,37	
4				2	59,50	
5				1	59,30	+0,82
6				2	59,74	
7				2	59,86	
8				2	59,04	
9	8	59,58		3	59,26	
10				3	60,29	
11				3	59,90	+0,12
12				3	59,13	
13				4	59,93	
14	10	59,25		5	60,19	+0,17
15				3	58,64	
16	6	1 59,33		3	57,87	—1,46
17	7	2 0,01		4	58,79	—1,22
18	6	1 59,64		2	59,51	—0,13
19						

Date.		No. of observations.	Index Error by Stars.			Remarks.	No. of observations	Index Error by Reflecting Collimator.			Difference.
1836.			′	″				′	″		
July	20						4	—1	60,61		
	21						2		60,64		
	22						2		60,23		
	23						3		58,67		
	24	7	—2		0,30		2		59,82		—0,55
	25						2		59,27		
	26						4		60,78		
	27	7	1		58,84		2		59,06		+0,51
	28						4		59,64		
	29						1		59,15		
	30						3		59,90		
	31						3		59,11		
Aug.	1						2		59,26		
	2						3		60,09		
	3						2		59,39		
	4						3		59,69		
	5						2		59,95		
	6						1		59,72		
	7						3		59,47		
	8						3		59,79		
	9						3		60,08		
	10						3		59,45		
	11						—				
	12						2		59,26		
	13	8			58,36		2		59,39		+0,36
	14						2		58,70		
	15						3		58,61		
	16						3		56,89		
	17						1		57,33		
	18						3		58,83		
	19						2		58,22		
	20						2		58,35		
	21						2		57,39		—0,16
	22	9	1		58,61		2		56,87		
	23						4		57,19		
	24						2		56,92		
	25						2		57,13		
	26						3		57,75		
	27						1		57,75		
						A few drops of rain had leaked through the roof and broken the wires;—I put in a new set.					
Sep.	8	5	—0		45,15		3	—0	46,90		+1,99
	9						4		47,38		
	10	5			46,23		5		45,73		—0,50
	11	7			45,98		4		44,15		—1,83
	12	6			44,91		5		44,61		—0,30
	13	5			46,16		4		46,81		+0,65
	14	6			47,26		4		45,95		—1,31

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.		′ ″			′ ″	
Sep. 15	5	—0 46,11		3	—0 47,49	+1,38
16	5	45,20		4	46,65	+1,45
17				3	45,66	
18				4	46,79	
19	5	46,51		3	47,18	+0,67
20	} 4	45,85		3	44,62	} —0,97
21				3	45,13	
22	5	46,12		3	46,32	+0,20
23	5	46,27		5	46,15	—0,12
24				3	46,53	
25	} 7	45,53		3	46,61	} +1,25
26				3	46,95	
27				3	45.23	
28				4	46,48	
29	} 6	47,64		3	46,84	} —0,74
30				5	46,96	
Oct. 1	5	47,07		5	48,00	+0,93
2	5	47,64		4	47,27	—0,37
3	5	46,22		4	46,09	—0,13
4				3	47,15	
5				3	45,71	
6	5	46,68		4	46 90	+0,22
7	6	46,49		4	46,92	+0.43
8	6	45,98		5	46,85	+0,87
9	6	45 83		4	46,63	+0,80
10	6	45,72		5	47,16	+1,44
11	5	45,94		4	47.32	+1,38
12	6	45,96		4	45,74	—0,22
13	6	45,41		5	46,42	+1,01
14	5	46,07		5	45,06	—1,01
15	5	47,27		4	46,42	—0.85
16	5	47,81		3	45,93	—1,88
17	6	47,35		4	45,50	—1,85
18	6	47,25		4	45,65	—1,60
19	5	46,86		4	44,88	—1,98
20	4	47.19		2	45,92	—1,27
21	5	46,30		4	46,23	—0.07
22	6	46,47		5	45.32	—1,15
23				3	45.62	
24	} 5	46,15		3	45.40	} —1,00
25				4	44,44	
26				2	44.01	
27	} 5	45,81		4	43,72	} —1,48
28				4	44 94	
29				2	43,97	
30			The violence of the wind, prevented observation.			
31						
Nov. 1	5	44,76		3	42,74	—2,02
2	} 5	44,36		2	43.83	} —0,51
3				2	43.86	
4	4	43,02		3	44,05	+1,03

Date.		No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.			′ ″			′ ″	
Nov.	5	5	—0 43,46		3	—0 43,52	+0,06
	6	6	44,58		4	44,03	—0,55
	7	6	44,70		5	43,99	—0,71
	8	6	43,25		3	42,98	—0,27
	9	5	44,64		4	42,73	—1,91
	10	7	43,96		5	43,89	—0,07
	11	5	43,86		5	44,27	+0,41
	12	6	44,21		4	44,56	+0,35
	13				4	43,96	
	14				2	43,83	
	15				2	42,10	
	16				3	43,61	
	17	5	43,67		4	43,57	—0,10
	18				2	44,03	
	19				2	45,28	
	23	5	40,38		3	39,49	—0,89
	24	7	41,85		2	39,76	—1,12
	25				4	41,70	
	26	6	42,56		4	42,40	—0,16
	27	5	43,35		4	42,46	—0,89
	28	6	42,41		4	40,90	—1,51
	29				2	41,67	
	30				3	41,82	
Dec.	1	6	41,71		5	40,72	—0,99
	2	6	42,00		5	41,53	—0,47
	3	6	41,68		5	39,55	—2,13
	4	4	41,65		2	39,96	—1,69
	5	7	43,84		5	39,92	—3,92
	6	6	43,47		3	40,32	—3,15
	7				2	41,27	
	8	6	42,04		2	40,93	—0,65
	9				3	41,41	
	10				5	41,96	
	11	7	42,35		5	42,38	+0,03
	12	6	42,88		4	42,38	—0,50
	13				3	42,77	
	14				3	42,07	
	15	9	42,55		3	41,46	—0,20
	16				2	42,66	
	17				5	43,20	
	18	6	43,56		2	42,33	—1,23
	19	9	43,21		2	42,93	—0,22
	20				4	43,05	
	21	6	42,95		4	42,82	—0,18
	22				3	42,71	
	23	4	42,24		4	42,50	+0,26
	24	5	42,55		4	42,72	+0,17
	25				2	43,21	

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1836.		′ ″			′ ″	
Dec. 26						
27				5	—0 42,72	
28				2	42,37	
29	9	—0 42,87		3	41,91	
30				3	42,94	—0,43
31				2	42,80	
1837.				5	41,93	
Jan. 1						
2	5	42,80		1	42,15	
3	8	44,01		5	42,20	—0,60
4				4	42,55	—1,61
5	5	44,22		5	42,25	
6	5	44,00		5	42,28	—1,94
7	5	44,28		4	43,27	—0,73
8	6	43,89		5	43,81	—0.47
9	8	44,44		5	43.47	—0 42
10	6	43,26		5	42,97	—1,47
11	6	42,80		3	42,49	—0,77
12	7	43,46		5	42,77	—0.03
13				4	41,75	—1,71
14	8	43,36		2	42,95	
15				2	41,88	—1,60
16				2	41,65	
17	6	44,07		3	40,57	
18	5	43,57		3	40.37	—3,70
19	6	43,62		4	41,37	—2.20
20	5	43,51		4	40,37	—3,25
21	4	43,93		5	41,06	—2,45
22	6	44,07		2	41,49	—2,44
23	6	44,02		3	41,14	—2,93
24	7	43,79		3	41,07	—2.95
25	6	42,75		3	42,72	—1,07
26	7	43,81		4	42,26	—0 49
27	7	43,93		3	42,59	—1.22
28	5	43,58		3	43,22	—0 71
29	6	44,39		4	42,96	—0.62
30	8	43,96		4	43,02	—1,37
31				3	43,14	—0,93
Feb. 1	7	43,75		2	42,91	
2				2	44,39	+0,64
3	6	43,63		4	43,61	
4	7	43,65		3	44 27	+0 64
5	8	43,41		2	42,30	—1.35
6	11	43,63		3	42,66	—0,75
7	5	43,82		3	43.41	—0.22
8	8	44,06		4	41,71	—2,11
9	7	44,36		3	41.72	—2,34
10	6	43.65		3	42,25	—2,11
11	6	44,22		3	41,78	—1,87
12	6	43,18		4	42,09	—2,13
13	6	43,33		5	41,92	—1,26
				5	42.81	—0,52

Date.		No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.			′ ″			′ ″	
Feb.	14	6	—0 43,32		5	—0 43,07	—0,25
	15	5	43,37		4	42,17	—0,60
	16	8	44,41		3	43,00	—1,62
	17				4	42,58	
	18	6	44,06		4	42,11	—1,95
	19	5	44,13		3	42,76	—1,37
	20	7	43,87		2	42,58	—1,18
	21				3	42,80	
	22			Mean—43″,83			
	23			I took out the axis;—cleaned it—applied fresh oil, and adjusted the microscopes.			
	24						
	25						
	26	5	41,17		3	41,82	+0,65
	27	6	41,23		3	41,18	—0,05
	28	5	41,19		3	40,38	—0,81
March	1				4	40,81	
	2				4	43,00	
	3				4	43,44	
	4	8	41,15		5	39,78	—1,23
	5				5	40,06	
	6	8	40,42	Mean—41″,18	4	39,58	—0,84
	7	6	40,02		4	41,93	+1,91
	8	6	39,61		4	40,54	+0,93
	9	6	39,94		5	40,25	+0,31
	10	6	39,24		5	40,66	+1,42
	11	7	39,08		5	40,62	+1,54
	12	5	39,64		5	40,44	+0,80
	13	9	39,70		3	40,06	+0,50
	14				4	40,33	
	15	9	39,52		4	40,15	+0,63
	16	9	40,07		4	39,45	—0,62
	17	7	40,08		5	39,25	—0,83
	18	8	40,60		5	39,78	—0,82
	19	8	40,39		5	39,68	—0,71
	20	8	40,59		3	39,29	—1,30
	21	5	40,50		3	39,19	—1,31
	22	8	39,86		4	39,30	—0,56
	23	6	39,58		2	39,58	0,00
	24	7	40,12		3	39,27	—0,65
	25				3	39,67	
	26	9	40,48		4	40,14	—0,59
	27				4	39,65	
	28	6	40,82		4	40,24	—0,48
	29				2	40,44	
	30	7	40,16		2	40,75	+0,26
	31				2	40,08	
April	1			Mean—40″,44	4	38,64	—0,26
	2	7	39,03		4	38,97	
	3				4	38,70	
	4	7	40,38		4	38,78	—1,71
	5				4	38,56	

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.		′ ″			′ ″	
April 6				4	—0 39,07	
7	6	—0 38,75		4	38,30	—0,07
8				2	37,15	
9	5	37,58		2	37,48	+0,07
10				4	38,32	
11	8	37,75		5	37,62	—0,13
12				4	38,95	
13	10	37,84		4	38,10	+0,69
14				3	37,82	
15	9	37,58		2	37,76	+0,25
16				2	37,90	
17	—	——		4	38,37	
18	6	36,81		4	38,26	+1,45
19	6	37,09		4	37,72	+0,63
20	6	37,06		3	37,65	+0,59
21	6	38,19		3	38,12	—0,07
22	5	38,88		5	37,35	—1,53
23	8	38,07		5	37,69	—0,38
24	9	38,04		5	38,43	
25				5	37,76	+0,05
26	6	37,01		5	38,01	+1,00
27	8	38,73		4	37,53	
28				3	36,97	—1,48
		——	Mean — 37″,36			
29				3	37,64	
30				2	38,50	
May 1	8	38,54		4	37,73	
2				3	38,07	—0,81
3	10	39,99		5	37,33	
4				5	37,78	—2,29
5	7	38,19		4	36,82	
6				4	36,56	—0,89
7				2	37,26	
8	8	38,00		3	37,47	
9				4	37,76	—0,50
10	6	37,63		3	37,45	—0,18
		——	Mean — 38″,47			
11				3	37,55	
12	8	37,08		3	37,67	+0,53
13				4	37,13	
14				3	38,10	
15	7	37,98		3	37,65	—0,11
16				4	37,33	
17	8	38,39		4	37,65	—0,90
18				4	37,49	
19				4	36,87	
20				4	37,81	
21				4	38,23	
22				4	37,78	
23				4	38,12	
24	8	37,03		2	38,28	+1,17

Date.		No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.			′ ″			′ ″	
May	25				2	—0 38,14	
	26				2	37,82	
	27				2	37,65	
	28	8	—0 37,70		2	37,95	+0,17
	29				2	38,02	
			———	Mean — 37″,63			
	30	7	36,69		3	38,73	+1,84
	31				3	38,34	
June	1				2	38,28	
	2				2	38,26	
	3				2	37,07	
	4				2	37,72	
	5	6	36,66		2	37,49	+0,83
	6	6	36,85		3	37,10	+0,25
	7	5	36,07		3	37,46	+1,39
	8	5	35,75		3	37,46	+1,71
	9	5	35,90		3	37,69	+1,79
	10	5	37,37		2	37,37	0,00
	11	8	36,53		3	37,66	+1,13
	12	4	36,92		3	37,67	+0,75
	13				2	38,01	
	14	5	36,16		2	37,36	+1,20
			———	Mean — 36″,49			
	15	8	36,58		3	37,02	+0,36
	16				2	36,86	
	17		——		2	37,10	
	18		——		2	37,43	
	19		——		2	37,36	
	20		——		2	36,12	
	21	6	35,96		3	35,65	+0,03
	22				3	36,33	
	23	4	36,31		3	36,24	—0,07
	24	6	34,95		3	36,01	+1,06
	25	7	36,68		3	36,44	—0,24
	26	6	36,95		3	35,30	—1,65
	27				3	35,82	
	28	7	36,60		2	36,62	—0,12
	29				2	36,71	
	30				2	36,78	
July	1				3	36,82	
	2				2	36,65	
	3	7	35,74		4	37,03	+1,29
	4				2	37,20	
	5				2	37,13	
	6				3	35,88	
	7				2	35,61	
	8	7	35,33		3	35,38	+0,05
	9	7	36,14		3	35,30	—0,84
			———	Mean — 36″,12			
	10				4	35,47	
	11		35,52		5	36,41	+0,89

Date.		No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.			′ ″			′ ″	
July	12						
	13	5	—0 35,95		4	—0 35,78	
	14	10	36,18		4	35,45	—0,50
	15				3	35,57	—0,15
	16	5	36,12		4	36,49	
	17				3	36,08	—0,04
	18				3	36,15	
	19				2	35,76	
	20				3	36,34	
	21				3	36,35	
	22		36,13		2	36,12	
	23				2	36,55	+0,42
	24				3	36,38	
	25				2	36,32	
	26				3	35,99	
	27				3	35,78	
	28				3	36,19	
	29				2	36,41	
	30				2	35,80	
	31				2	36,10	
Aug.	1				2	36,63	
	2				2	35,66	
	3				2	36,33	
	4		37,11		2	36,62	
	5				2	35,66	—1,06
	6				2	35,95	
	7	6	36,56		2	36,10	
	8				3	36,22	—0,41
	9	6	37,42		4	36,09	
	10	9	36,58		4	35,59	—1,83
	11				4	35,60	—1,11
	12	5	37,32		3	35,35	
	13				4	35,20	—2,12
	14				2	35,00	
	15				2	35,41	
	16				2	37,42	
	17	5	38,09		2	37,31	
	18				2	36,65	—1,74
	19				2	36,60	
	20				2	36,51	
	21	6	38,50		2	35,93	
	22				2	36,20	—2,03
	23				3	36,75	
	24				2	36,27	
	25	8	36,52		2	35,70	
	26				2	36,06	—0,10
	27				2	36,30	
	28	6	37,71		3	37,61	
	29	6	38,04		3	37,10	—0,61
					4	36,46	—1,58

Date.		No. of observations.	Index Error by Stars		Remarks.	No. of observations	Index Error by Reflecting Collimator.		Difference.
1837.			′	″			′	″	
Aug.	30					3	—0	36,13	
	31					2		36,66	
Sep.	1					2		36,71	
	2					2		35,13	
	3	6	—0	38,45		2		35,52	—2,37
	4					2		36,21	
	5					2		36,02	
	6					2		36,27	
	7					2		36,05	
	8					2		36,07	
	9					2		37,10	
	10	12		37,18		2		37,80	+0,10
	11					2		37,49	
	12					3		36,74	
	13	6		38,03		4		36,92	—1,11
	14	6		37,96		4		36,69	—1,27
	15	5		37,81		4		37,09	—0,72
	16	7		38,00		3		36,88	—1,12
	17	6		39,34		3		37,15	—2,19
	18	6		38,73		3		37,16	—1,57
	19	6		37,55		3		36,97	—0,58
	20	6		38,29		4		37,47	—0,82
	21	9		39,29		4		38,73	—0,56
	22	8		38,97		4		39,72	+0,75
	23	5		38,36		4		37,65	—0,71
	24	6		38,45		3		37,85	—0,60
	25	9		38,17		3		38,17	—0,19
	26					3		37,79	
	27	7		37,74		3		38,45	+0,28
	28					3		37,60	
	29					2		37,69	
	30					2		37,62	
Oct.	1				Continued cloudy weather.	2		37,70	
	2					2		37,91	
	3					2		37,76	
	4					2		37,56	
	5					2		37,49	
	6					2		38,40	
	7					2		37,67	
	8					2		37,46	
	9	10		37,67		3		37,66	+0,18
	10					4		38,04	
	11					2		37,81	
	12	6		37,76		4		37,68	—0,08
	13	5		39,05		4		38,11	—0,94
	14	8		38,34		3		37,79	—0,40
	15					3		38,09	
	16	6		38,42		4		38,66	+0,24
	17	8		38,32		3		38,55	+0,27
	18					4		38,63	
	19					2		38,66	

Date.	No. of observations.	Index Error by Stars.	Remarks.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.		′ ″			′ ″	
Oct. 20				2	—0 37.38	
21				3	38,41	
22				2	38,17	
23	7	—0 37,91		4	37,98	—0,03
24				3	37,78	
25	6	37,82		4	37,10	—0,72
26				2	37,49	
27				2	38,39	
28				2	37.99	
29				1	37,00	
30				2	37,49	
31				1	37,23	
Nov. 1				2	37,20	
2				2	37,38	
3				2	36,71	
4				2	35,75	
5				2	35,23	
6				1	34,57	
7	5	35,33		1	34,63	—0,67
8				2	34,70	
9				2	34,76	
10				2	34,32	
11	5	34,46		4	34,97	+0,21
12				2	34,37	
13				4	34,29	
14	9	34,55		3	34,22	—0,82
15				3	33,24	
16				3	34,17	
17	6	34,21		4	34,41	+0,20
18				2	33,46	
19				3	34,38	
20				3	34,27	
21	10	34,55		3	34,86	—0,06
22				3	34,53	
23				3	34,77	
24				4	35,17	
25	8	35,15		3	34,46	—0,69
26				4	34,47	
27	8	34,91		4	35,03	+0,12
28				3	34,53	
29				3	34,93	
30	7	35,77		3	34,56	—0,95
Dec. 1				4	34,98	
2				3	35,12	
3				3	34,75	
4				3	35,17	
5				3	35,26	
6				2	34,76	
7				3	34,44	
8				2	34,21	
9				3	34,22	

Continued cloudy weather peculiar to the N. E. Monsoon.

Date.	No. of observations.	Index Error by Stars.	REMARKS.	No. of observations.	Index Error by Reflecting Collimator.	Difference.
1837.		′ ″			′ ″	
Dec. 10				2	—0 32,76	
11				3	33,02	
12				3	33,67	
13				3	32,53	
14	5	—0 34,98		3	33,89	—1,09
15	9	35,27		3	32,95	—2,21
16				2	33,17	
17	7	35,13		4	33,02	—2,17
18				4	32,91	
19	9	34,55		3	32,91	—1,58
20				4	33,03	
21	7	34,37		2	33,72	—0,96
22				2	32,80	
23				4	33,74	
24				1	33,55	
25	5	33,54		3	33,09	—0,45
26	6	34,97		3	33,71	—1,26
27	11	34,77		3	33,61	—1,19
28				4	33,56	
29	7	35,42		3	34,34	—1,08
30		36,17		2	36,64	+0,75
31				2	37,20	

Taking the means of the column "difference", and putting d L. for the error of the Assumed Latitude, and E for the error of the four divisions employed, we get

from 260 Observations in 1835		E + d L = — 0″,06
190 ——— 1836		= — 0 ,65
171 ——— 1837		= — 0 ,55
Mean		= — 0 ,37

The discordance here found between the result for 1835 as compared with that for 1836 and 1837, is, as far as our present knowledge extends, chargeable alone to error of observation: it adds one to a great many other cases of daily occurrence, which shew, that notwithstanding the facility with which an accuracy of one or two seconds may be attained, (even by a single observation) still, how little control continued observation gives us over the fraction of a second.

RESULT OF OBSERVATIONS MADE WITH THE TRANSIT INSTRUMENT AND MURAL CIRCLE.

It has hitherto been a constant source of regret to me,—that whilst the observations of the fixed Stars and Planets, have come out—in a manner creditable to the Madras Instruments and Observers—still, that the observations of the Sun have been discordant to a degree little calculated to confer credit upon either. It is not that the *mean results* have differed much at any time, from those determined at other observatories; but the discordance found among individual results reaches to an amount (occasionally 5 or 6 seconds + or —) which could hardly be credited: during the past two years the subject has occupied no small share of my attention, and the result has been I am sorry to say but little satisfactory. During the Autumn of 1835 and in 1836 and 1837, it had generally been my custom, to compute the Sun's N.P.D.—set the instrument, and read off the 4 Microscopes previously to opening the shutters for the meridian observation; the comparison of these readings with those made at the time of meridian passage, shews that no change is ever effected upon the relative position of the miscroscopes by the Sun shining upon the Instrument: to discover if the Index Error remained constant under these circumstances,—I made two or three observations with the Reflecting Collimator at a few minutes before Noon; and then, opening the shutter,—allowed the Sun to shine upon the Instrument for 5 minutes before the meridian passage; immediately after which, the Observation with the Reflecting Collimator was repeated: the result shewed, that no appreciable change had occurred from the action of the Sun's rays upon the Instrument for this time:—under these circumstances I am reluctantly compelled to proceed, and leave this matter still unexplained. In the table which follows, the meridian observations of the Sun at the Transit have it will be observed, on many occasions been omitted, which has arisen in consequence of no known star having been observed during the day time—when the uncertainty of the clock's rate would not permit its error to be interpolated from the evening observations.

The observed transit of the 1st and 2d limb over the five wires, furnishes us with the value of the apparent semidiameter; from which, the *mean horizontal semidiameter* $= \left(\frac{\text{Sun's 2 L.} - \text{1 L}}{2}\right) \times 15 \left(1 + \frac{a' - a}{48}\right) \sin \text{N.P.D.} \times \text{dist. (Earth — Sun)}$

At the Circle it has been usual to observe either the North limb alternately with the South limb at consecutive transits, or to observe on the same day—the N.P.D. of the one limb at 30 seconds *before* the meridian passage, and that of the other at 30 seconds after it—whereby the mean *vertical* semidiameter of the Sun has been computed from the formulæ—

M. V. Semid. $= \frac{\text{N. P. D. Sun's South L.} - \text{N. P. D. Sun's North L.} + dr. \pm \text{d D.} - \text{C} - \text{T.}}{2} \times \text{dist. (Sun—Earth.)}$ where a', a, represent the A. R. of the Sun at the noon following, and preceding the day of observation; dr, the difference of the refractions due to the N. and S. limbs; dD, the change of Declination in 1^m of time (the interval between the observations), C a correction due to a small inclination of the horizontal wire; which, up to the 19th June 1836 amounted to $1'',46$ but has since been reduced to 0; and T $= 2'',42$ is the value of the diameter of the wire.

Comparison of the Observed A. R. and N. P. D. of the Sun, with the places interpolated from the Nautical Almanac.

1837.	Right Ascension		Error of Tables.	North Polar Distance		Error of Tables.	Mean Semidiameter.	
	from observation.	from N. A.		from observation.	from N. A.		Horizontal.	Vertical.
	h. m. s.	s.	″	° ′ ″	″	″	′ ″	
Jan. 2	18 47 45,02	44,60	—0,42	113 0 25,15	28,60	+3,45		
3	52 9,79	9,30	—0,49	112 55 8,28	12,50	+4,22	16 2,01	
4	56 34,21	33,70	—0,51	49 28,38	29,00	+0,62	0,27	
6	19 5 21 47	21,10	—0,37	36 37,82	40,90	+3,08	1,96	
7	9 44,65	44,20	—0,45	29 32,95	36,70	+3,75	1,87	
8	14 7,04	6,90	—0,14	22 5,58	5,70	+0,12	3,72	
9	18 28,92	29,00	+0,08	14 5,82	8,40	+2,58	3,68	
10	22 50,95	50,60	—0,35	5 43,26	44,80	+1,54	2,68	
11	27 12,31	11,80	—0,51	111 56 52,36	55,40	+3,04	15 59,90	
13	35 52,80	52,30	—0,50	37 58,00	59,70	+1,70	59,80	
14	40 11,93	11,80	—0,13	27 50,49	53,90	+3,41	55,96	
15	44	30,40		17 21,46	23,20	+1,74	16 3,58	
16	48 48,91	48,60	—0,31	6 28.03	27,90	—0.13	2,32	
17	53 6,12	5,90	—0,22	110 55 7,89	8.30	+0,41	15 59,66	
18	57 22,85	22,70	—0,15	43 25,71	24,80	—0,91	58,27	
19	20 1 39,05	38,70	—0,35	31 16,97	17,80	+0,83	16 1,18	
20	5 54,20	53,90	—0,30					
21	10 8,85	8,40	—0,45	5 55,61	54.00	—1,61	1,67	
22	14 22,30	22,10	—0,20	109 52 37,44	38.40	+0,96	0,47	

1836.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	s	° ′ ″	″	″	′ ″	
Jan.	23	20 18 35,36	35,00	—0,36	109 39 1,40	0,50	—0,90	15 58,70	
	24	22 47,23	47,10	—0,13				16 2,14	
	25	26 58,56	58,40	—0,16	10 34,83	39,30	+4,47	1,10	
	26	31 9,09	8,90	—0,19				0,80	
	27	35 19,22	18,60	—0,62	108 40 54,70	53,90	—0,80	1,96	
	28	39 27,64	27,50	—0,14	25 26,81	30,60	+3,79	1,82	
	29	43 35,76	35,40	—0,36	9 44,31	47,60	+3,29	0,90	
	30	47 43,14	42,60	—0,54	107 53 42,30	45,00	+2,70	15 59,93	
	31	51 49,04	48,90	—0,14				16 2,30	
Feb.	1	55 54,70	54,30	—0,40				2,48	
	2	59 59,35	58,90	—0,45	107 3 46,33	44,80	—1,53	2,16	
	3	21 4 3,31	2,70	—0,61	106 46 26,44	28,30	+1,86	1,50	
	4	8 6,38	5,80	—0,58	28 54,05	54,40	+0,35	0,30	
	5	12 8,81	8,00	—0,81	11 2,81	3,50	+0,69		
	6	16 10,27	9,40	—0,87	105 52 55,22	55,80	+0,58	1,66	
	7	20 10,04	9,90	—0,14	34 33,47	31,70	—1,77	4,30	
	8	24 10,32	9,70	—0,62	15 54,66	51,70	—2,96	1,20	
	9	28 9,47	8,70	—0,77	104 56 58,82	56,20	—2,62	0,68	
	10	32 7,77	7,00	—0,77				0,47	
	11	36 4,72	4,50	—0,22	18 15,55	20,00	+4,45		
	12	40 1,54	1,20	—0,34	103 58 37,19	40,30	+3,11	15 58,98	
	13	43 57,52	57,20	—0,32	38 41,35	46,70	+5,35	59,86	
	14	47 52,40	52,30	—0,10	18 37,35	39,60	+2,25	16 2,28	
	15	51 47,18	46,80	—0,38	102 58 14,93	19,40	+4,47	1,15	
	16	55 41,20	40,50	—0,70	37 42,53	46,70	+4,17	0,06	
	17	59 34,09	33,50	—0,59	16 58,93	1,80	+2,87	15 59,75	
	18	22 3 26,24	25,70	—0,54	101 56 0,78	5,20	+4,42	16 2,17	
	19	7 17,63	17,30	—0,33	34 55,24	57,30	+2,06	1,10	
	20	11 8,67	8,10	—0,57	13 37,89	38,20	+0,31	0,75	
	21	14 58,47	58,40	—0,07	100 52 5,56	9,00	+3,44	3,18	
	22	18 48,41	47,80	—0,61				1,06	
	23	22 36,87	36,60	—0,27					
	24	26 25,28	24,80	—0,48	99 46 39,58	42,60	+3,02	2,90	
	25	30 12,42	12,40	—0,02	24 34,42	35,80	+1,38	0,24	
	26	33 59,81	59,30	—0,51	2 16,49	20,80	+4,31	1,48	
	27	37 46,16	45,60	—0,56	98 39 58,42	57,80	—0,62	1,38	
	28	41 32,06	31,60	—0,46	17 25,31	27,40	+2,09	1,52	
	29	45 17,22	16,80	—0,42	97 54 48,64	49,70	+1,06	1,42	
Mar.	1	49 2,15	1,80	—0,35	32 3,40	5,30	+1,90	2,30	
	2	52 46,02	45,90	—0,12	9 12,18	14,40	+2,22		
	3	56 29,69	29,60	—0,09	96 46 16,18	17,50	+1,32	1,16	
	4	23 0 13,02	12,80	—0,22	23 10,62	15,20	+4,58	1,32	
	5	3 55,67	55,50	—0,17	0 5,74	7,40	+1,66	2,48	
	6	7 37,60	37,90	+0,30	95 36 55,59	54,80	—0,79	3,38	
	7	11 20,16	19,70	—0,46	13 40,00	37,70	—2,30	1,12	
	8	15 1,91	1,30	—0,61	94 50 15,41	16,30	+0,89	2,78	
	9	18 42,63	42,50	—0,13	26 52,79	51,00	—1,79	0,62	
	10	22 23,56	23,40	—0,16	3 21,03	22,30	+1,27	0,67	
	11	26 3,86	4,00	+0,14	93 39 49,34	50,40	+1,06		
	12	29 44,36	44,20	—0,16	16 12,32	15,80	+3,48	2,72	
	13	33 24,33	24,10	—0,23	92 52 38,95	39,10	+0,15	2,45	

1836.		Right Ascension from observation	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
Mar.	14	23 37 4,56	3,90	—0,66	92 28 57,96	0,20	+2,24	16 1,70	15 58,02
	15	40 43,49	43,30	—0,19				1,68	16 2,16
	16	44 22,73	22,50	—0,23	91 41 35,63	38,10	+2,47	0,70	1,80
	17	48 1,66	1,50	—0,16	17 53,09	55,70	+2,61	4,14	1,82
	18	51 40,74	40,30	—0,44	90 54 12,09	12,80	+0,71	2,14	0,64
	19	55 19,27	18,90	—0,37	30 31,33	29,90	—1,43	2,56	0,34
	20	58 57,11	57,50	+0,39	6 46,88	47,40	+0,52		2,94
	21	0 2 35,87	35,80	—0,07				1,42	
	22	6 14,33	14,10	—0,23	89 19 26,96	25,10	—1,86	0,86	
	23	9 52,53	52,20	—0,33	88 55 45,58	46,10	+0,52	1,80	
	24	13 30,13	30,20	+0,07	32 7,26	8,90	+1,64	1,92	
	25	17 8,63	8,20	—0,43	8 31,58	33,90	+2,32	1,86	1,92
	26	20 46,28	46,10	—0,18	87 44 59,28	1,60	+2,32	2,34	5,68
	28	28 2,61	2,00	—0,61	86 58 5,42	6,20	+0,78	2,28	1,80
	29	31 40,04	39,90	—0,14	34 41.78	43,80	+2,02	3,65	
	30	35 18,07	17,90	—0,17	11 24,35	25,50	+1,15	2,05	
	31	38 56,02	55,90	—0,12	85 48 14,09	11,40	—2,69	2,17	
April	1	42 34,32	34,10	—0,22	25 2,72	2,30	—0,42	1,32	
	2	46 12,53	12,30	—0,23	85 1 56,19	57,90	+1,71	1,06	
	3	49 50,90	50,70	—0,20	84 39 1,80	58,90	—2,90	1,37	
	4				16 5,44	5,40	—0,04	3,42	
	5	57 7,57	7,90	+0,33	83 53 13,11	17,70	+4,59	0,82	
	6	1 0 47,01	46,70	—0,31	30 30,82	36,10	+5,28	3,54	
	7	4 25,77	25,90	+0,13	7 57,50	1,00	+3,50	15 59,34	
	8	8 5,59	5,20	—0,39	82 45 27,54	28,90	+1,36		
	9	11 45,03	44,90	—0,13	23 8,94	12,00	+3,06	16 1,92	
	10	15 24,87	24,70	—0,17	0 55,77	58,70	+2,93		
	11	19 5,31	4,90	—0,41	81 38 51,77	53,50	+1,73	1,44	
	12	22 45,55	45,40	—0,15	16 55,56	56,40	+0.84	2,14	2,58
	13	26 26,35	26,10	—0,25	80 55 9,64	7,90	—1,74	0,90	
	14	30 7,41	7,20	—0,21				3,52	
	15	33 49,00	48,70	—0,30	80 12 2,37	57,80	—4,57	3,82	
	16	36 30,48	30,60	+0,12	79 50 41,31	37,20	—4,11	1,24	
	17	41 13,38	12,80	—0,58	29 27,63	26,50	—1,13	2,88	
	18	44 55,39	55,29	—0,10	8 24,31	26,20	+1,89	3,14	
	19	48 38,52	38,30	—0,22	78 47 32,44	36,50	+4,06	1,62	
	20	52 22,09	21,70	—0,39				16 1,20	
	21	56 5,86	5.50	—0,36	6 28,12	31,10	+2,98	0,64	
	22	59 49,95	49,70	—0,25	77 46 14,53	15,80	+1,27	2,94	
	23	2 3 34,84	34,40	—0.44	26 11,17	12,50	+1,33	0,18	
	24	7 19,45	19,50	+0,05	6 20,10	19,90	—0,20	15 58,60	
	25	11 5,65	5,00	—0,65	76 46 41,94	44,10	+2,16	16 3,72	
	26	14 51,63	51,10	—0,53	27 18,05	19,30	+1,25	1,46	0,34
	27	18 38,01	37,40	—0,61	8 6,94	8,10	+1,16	0,84	
	28	22 25,29	24,50	—0,79	75 49 11,80	10,50	—1,30	1,64	3,98
	20	26 12,51	11,70	—0,81	30 26,44	26,90	+0,46	1,52	
	30	30 0,48	0,00	—0,48	12 0,12	57,80	—2,32		
May	1	33 48,65	48,60	—0,05	74 53 44,38	43,10	—1,28	2,10	
	2	37 38,19	37,70	—0,49	35 41,11	43,30	+2,19	1,40	
	3	41 27,29	26,40	—0,89	17 57,39	58,60	+1,21		
	5	49 8,16	8,30	+0,14	73 43 9,71	16,10	+6,39		

1836.		Right Ascension		Error of Tables.	North Polar Distance		Error of Tables.	Mean Semidiameter.	
		from observation.	from N. A.		from observation.	from N. A.		Horizontal.	Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
May	6	2 52 59,15	59,60	+0,45	73 26 14,79	18,80	+4,01		15 59,28
	7	56 51,77	51,70	—0,07	9 33,19	37,80	+4,61	16 2,64	57,26
	8	3 0 44,32	44,20	—0,12	72 53 11,53	13,40	+1,87	2,68	
	9				37 1,25	6,10	+4,85	3,28	59,75
	10	8 31,65	31,20	—0,45	21 13,83	16,00	+2,17	2,21	
	11	22 25,48	25,40	—0,08	5 41,78	43,60	+1,82		
	13				71 35 31,09	32,50	+1,41	0,70	
	14				20 55,31	54,60	—0,71	0,86	
	15	28 8,42	8,60	+0,18				0,52	
	16	32 6,23	5,80	—0,43	70 52 31,89	35,30	+3,41	5,40	16 1,64
	17							5,32	
	18	40 1,97	1,90	—0,07				3,56	
	19	44 0,87	0,90	+0,03	12 32,15	32,60	+0,45	6,78	
	20	48 0,18	0,40	+0,22	69 59 55,80	51,80	—4,00	5,96	
	21	52 0,10	0,30	+0,20	47 33,68	31,40	—2,28	5,96	
	22	56 0,84	0,90	+0,06	35 33,21	31,80	—1,41	3,74	1,26
	23	4 0 1,66	1,90	+0,24	23 51,81	53,20	+1,39	4,62	2,82
	24	4 3,51	3,80	+0,29	12 34,03	35,90	+1,87	5,76	0,10
	25	8 5,52	5,40	—0,12	1 35,19	40,00	+4,81	5,58	2,54
	26	12 8,12	7,80	—0,32	68 51 1,85	5,80	+3,95	1,18	
	28	20 14,56	14,30	—0,26	30 58,41	3,10	+4,69	1,40	
	29	24 18,42	18,10	—0,32				2,82	
	30	28 22,89	22,50	—0,39	12 25,59	30,20	+4,61	2,45	0,56
	31	33 27,57	27,30	—0,27	3 44,01	47,30	+3,29	2,70	
June	1	36 33,17	32,60	—0,57	67 55 23,61	27,30	+3,61	1,46	
	4	48 50,84	50,80	—0,04				3,78	
	5	52 57,64	57,50	—0,14				1,94	
	6	57 4,65	4,60	—0,05	67 19 31,42	34,90	+3,48	1,35	
	7	5 1 11,92	11,90	—0,02	13 31,71	35,20	+3,49	1,46	
	8	5 19,69	19,70	+0,01	7 53,48	59,20	+5,72	2,38	1,18
	9	9 27,86	27,60	—0,26	2 45,78	47,30	+1,52	15 59,40	15 58,12
	10	13 36,23	36,00	—0,23	66 58 0,04	59,70	—0,34	16 1,28	
	11	17 44,68	44,60	—0,08	53 35,48	36,30	+0,82		
	12	21 54,05	53,40	—0,65	49 34,49	37,20	+2,71	2,10	16 1,30
	13	26 3,19	2,50	—0,69	46 2,33	2,60	+0,27	2,82	
	15	34 21,04	20,90	—0,14	40 2,00	7,40	+5,40	2,82	
	16	38 30,55	30,40	—0,15	37 45,86	46,80	+0,94	3,60	
	17	42 40,08	39,90	—0,18	35 48,77	50,90	+2,13	2,76	1,32
	18	46 49,66	49,40	—0,26	34 18,84	19,80	+0,96	2,60	
	19	50 58,49	59,00	+0,51	33 11,35	13,50	+2,15	2,02	
	20	55 9,29	8,70	—0,59	32 32,33	32,20	—0,13	2,28	
	21				32 12,88	15,70	+2,82	0,38	3,45
	22				32 21,88	23,90	+2,02	2,22	
	28	6 28 23,74	23,10	—0,64	41 53,58	54,00	+0,42		
	30				48 19,60	20,60	+1,00		3,38
July	1				52 9,97	10,30	+0,33	1,98	
	2	44 56,82	56,40	—0,42	56 23,07	23,40	+0,33	1,98	1,88
	3	46 4,49	4,10	—0,39				4,45	
	4							1,34	
	5				67 11 28,29	30,90	+2,61	0,44	
	6				17 21,20	20,80	—0,40	0,47	

1836.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
July	7				67 23 29,38	34,40	+5,02	16 1,62	
	9	7 13 44,69	44,00	—0,69	67 37 11,21	12,20	+0,99	0,92	15 59,95
	10	17 49,94	49,40	—0,54	67 44 33,17	36,00	+2,83	15 59,88	58,30
	11				67 52 21,46	22,90	+1,44	16 2,18	16 1,75
	12				68 0 27,90	32,50	+4,60	0,78	
	13				68 9 3,34	5,00	+1,66	3,34	
	14	34 7,47	6,80	—0,67	68 17 54,87	59,80	+4,93	1,40	
	15	38 10,26	10,00	—0,26	68 27 13,12	16,90	+3,78	2,52	
	16	42 13,09	12,70	—0,39	68 36 55,13	56,10	+0,97	1,90	
	17	46 15,22	14,80	—0,42	68 46 53,39	57,10	+3,71	2,02	
	18				68 57 15,01	19,60	+4,59		
	19	54 17,89	17,40	—0,49	69 8 2,44	3,70	+1,26	0,70	
	20	58 18,25	17,80	—0,45	69 19 8,42	8,80	+0,38	1,68	
	23				69 54 30,55	28,40	—2,15	1,26	1,06
	26	8 22 8,02	8,20	+0,18	70 32 48,15	48,70	+0,55	0,72	
	27	26 4,95	4,60	—0,35	70 46 18,08	14,40	—3,68	15 57,72	
	28	30 0,50	0,20	—0,30	71 0 0,38	59,10	—1,28	16 1,86	15 59,12
	30				71 28 23,94	24,50	+0,56	2,18	
Aug.	2				72 13 22,47	18,90	—3,57	1,70	
	4							1,64	
	9				74 8 4,46	3,10	—1,36	1,30	16 0,88
	10				74 25 34,69	30,40	—4,29	0,86	
	14				75 37 52,73	47,30	—5,43		
	15				75 56 28,58	26,80	—1,78	1,40	15 58,20
	16				76 15 19,51	19,70	+0,19	2,40	
	17	9 46 32,10	32,00	—0,10	76 34 22,57	25,60	+3,03	0,62	
	18	50 15,95	15,70	—0,25	76 53 43,25	44,30	+1,05	1,92	16 0,75
	19				77 13 18,33	15,30	—3,03	2,64	
	21	10 1 24,21	23,90	—0,31				3,68	
	22				78 12 56,01	59,80	+3,79	2,42	
	23	8 47,00	46,80	—0,20	78 33 19,40	17,20	—2,20	2,05	
	25				79 14 25,41	24,10	—1,31	1,80	
	27	23 27,74	27,60	—0,14	79 56 17,95	11,70	—6,25	2,30	
Sep.	7	11 3 22,55	22,40	—0,15				1,28	
	8	6 58,69	58,60	—0,09				2,25	
	9	10 34,77	34,80	+0,03	84 41 43,17	38,70	—4,47	1,26	
	11	17 46,79	46,70	—0,09	85 27 14,99	13,90	—1,09	2,00	
	12	21 22,28	22,50	+0,22	85 50 11,29	8,90	—2,39	1,62	15 59,72
	16	35 44,70	44,60	—0,10	87 22 31,57	29,00	—2,57	1,64	58,62
	17				87 45 41,96	42,40	+0,44		16 0,84
	18				88 8 55,10	58,30	+3,20	1,02	
	19	46 30,82	30,90	+0,08				15 58,00	
	20	50 6,42	6,30	—0,12	88 55 36,69	36,80	+0,11	59,72	1,66
	21	53 42,03	41,80	—0,23	89 18 59,54	58,40	—1,14	16 1,38	
	22	57 17,44	17,40	—0,04	89 42 24,65	21,60	—3,05	0,98	3,02
	23	12 0 53,26	50,03	—0,23				3,52	
	24	4 28,85	28,80	—0,05				15 58,60	
	25	8 4,59	4,60	+0,01	90 52 32,54	35,20	+2,66	58,20	
	26	11 40,99	40,70	—0,29	91 16 2,37	0,00	—2,37	16 0,32	
	27				91 39 25,30	24,70	—0,60	15 57,96	
	28				92 2 51,39	48,60	—2,79	16 1,98	

1836.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
Sep.	29	12 22 30,75	30,40	—0,35	92 26 12,20	11,60	—0,60	16 0,84	
	30	26 7,30	7.30	0,00				15 59,20	
Oct.	1	29 45,01	44,70	—0,31					
	4	40 38,40	38,40	0,00	94 22 40,39	41,10	+0,71	16 1,30	
	5				94 45 51,21	51,40	+0,19	3,16	
	6	47 56,08	56,10	+0,02	95 9 0,74	58,10	—2,64	1,84	
	7	51 35,55	35,50	—0,05				0,88	
	8	55 15,20	15,40	+0,20	95 55 2,68	0,10	—2,58	0,80	
	9	58 55,83	55,60	—0,23	96 17 54,45	54.50	+0,05	3,32	
	10	13 2 36,57	36,40	—0,17	96 40 45,03	43,80	—1,23	2,92	
	11	6 17,78	17,60	—0,18	97 3 23,18	27,80	+4,62	0,70	
	12	9 59,67	59,30	—0,37	97 26 2,62	6,00	+3.38	1,40	
	13	13 41,89	41,60	—0,29	97 48 36,53	38,00	+1,47	2,16	
	14	17 23,97	24,30	+0,33	98 10 59,48	3,70	+4,22	1,70	
	15	21 7,60	7,60	0,00				3,67	
	16	24 51,73	51,40	—0,33				3,84	
	17							2,92	
	18	32 20,80	20,80	0,00	99 39 33,70	32,40	—1,30	4,72	
	19	36 6,33	6,40	+0,07	100 1 19,10	19,20	+0,10		
	20	39 52,70	52,60	—0,10	100 23 0,87	57,10	—3,77	3,57	
	21	43 39,34	39,30	—0,04	100 44 25,38	25,60	+0,22	2,50	
	22	47 27,01	26,80	—0,21	101 5 44,16	44,30	+0,14	1,92	
	23	51 15,15	14,90	—0,25				15 58,50	
	24				101 47 50,21	51,40	+1,19	16 0,58	
	25	58 53,74	53,20	—0,54	102 8 38,39	39,10	+0,71	2,82	15 59,88
	26				102 29 13,10	15,50	+2,40	0,82	
	28	14 10 26,42	26,20	—0,22					
Nov.	2				104 47 43,31	45,40	+2,09		
	5				105 43 38,11	40,10	+1,99		
	6	45 47,41	47,90	+0,49	106 1 46,61	47,80	+1,19	4,10	
	7	49 48,28	47,80	—0,48	106 19 37,40	39,40	+2,00	6,34	
	8	53 48,66	48,60	—0,06				6,50	
	9	57 50,36	50,20	—0,16	106 54 34,34	32,90	—1,44	4,77	16 1,64
	10	15 1 52,81	52,60	—0,21	107 11 34,52	34,00	—0,52	3,94	0,96
	11	5 56,57	56,00	—0.57				4,66	
	12	10 0,52	0,20	—0,32	107 44 39,18	42,20	+3,02	4,45	
	13				108 0 45,82	48,70	+2,88	3,40	
	22	51 28,00	27,30	—0,70	110 10 48,53	47,70	—0,83	5,62	
	23	55 40,60	40,40	—0,20	110 23 29,13	27,40	—1,73	5,54	
	24							2,32	
	25	16 4 9,13	9,10	—0,03				15 58,70	
	26	8 24,66	24,50	—0,16	110 59 8,64	9,90	+1,26	16 3,48	
	27	12 40,86	40,60	—0,26	111 10 14,52	17,30	+2,78	4,77	
	28	16 57,68	57,60	—0,08	111 21 1,82	0,70	—1,12		
	29	21 15,53	15,20	—0,33	111 31 20,53	20,10	—0,43	2,12	
Dec.	1				111 50 44,48	44,90	+0,42	2,56	
	2	34 12,48	12,20	—0,28	111 59 47,39	50,00	+2,61	8,86	0,80
	4	42 53,42	53,50	+0,08	112 16 43,69	43,30	—0,39	4,00	
	5	47 15,18	15,00	—0,18	112 24 29,91	31,20	+1,29	5,02	15 59,87
	6	51 37,10	37,10	0,00	112 31 51,23	52,90	+1,67	4,76	
	7	55 59,75	59,70	—0,05	112 38 49,79	48,10	—1,69	2,43	

1836.		Right Ascension		Error of Tables.	North Polar Distance		Error of Tables.	Mean Semidiameter.	
		from observation	from N. A.		from observation.	from N. A.		Horizontal.	Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
Dec.	11	17 13 34,99	34,70	—0,29	113 1 57,36	0,30	+2,94	16 5,14	
	12	17 59,84	59,50	—0,34	6 38,05	40,00	+1,95	5,12	
	13							1,38	
	16				20 38,91	41,60	+2,69	5,16	
	17	40 7,85	7,60	—0,25	22 57,07	2,00	+4,93	4,85	
	19	49 0,82	0,20	—0,62	26 16,19	18,20	+2,01	3,14	
	20	53 27,01	26,70	—0,31					
	23	18 6 46,87	46,30	—0,57	27 10,92	11,50	+0,58	4,00	16 2,33
	24	11 13,87	13,00	—0,37	26 13,43	14,10	+0,67	4,07	0,26
	27				20 31,57	32,70	+1,13	4,40	15 59,65
	28				17 41,18	42,70	+1,52	4,60	16 0,48
	29				14 24,88	24,50	—0,38	2,17	
	31	42 15,54	15,60	+0,06	113 6 20,17	24,30	+4,13	3,14	2,54
1837.									
Jan.	2				112 56 29,64	33,10	+3,46	5,17	15 59,44
	3	55 30,60	30,50	—0,10	50 55,34	56,30	+0,96	8,18	16 0,37
	5	19 4 18,87	18,50	—0,37	38 19,13	20,80	+1,67	7,34	15 57,41
	6	8 42,53	41,90	—0,63	31 22,36	22,60	+0,24	6,85	58,15
	7	13 5,30	4,80	—0,50	24 1,01	57,60	—3,41	5,85	
	8	17 27,68	27,50	—0,18	16 8,08	6,20	—1,88	6,13	
	9	21 49,45	49,10	—0,35	7 45,93	48,60	+2,67	3,82	16 1,96
	10	26 11,03	10,40	—0,63	111 59 3,92	4,90	+0,98	3,37	15 59,73
	11	30 31,52	31,20	—0,32	49 55,77	55,50	—0,27	3,54	16 0,98
	12	34 51,76	51,40	—0,36	40 20,05	20,60	+0,55	2,82	15 59,07
	13	39 10,09	10,80	—0,19				15 57,40	
	15				9 3,41	5,90	+2,49	16 0,52	
	16				110 57 52,15	52,00	—0,15	2,16	57,07
	17				46 11,47	14,30	+2,83		
	18				34 15,28	12,90	—2,38	3,34	
	19	20 4 53,92	53,30	—0,62	21 51,43	48,40	—3,03	2,47	
	20	9 7,82	7,70	—0,12	9 2,85	1,00	—1,85	15 59,93	59,07
	21	13 21,38	21,40	+0,02	109 55 54,25	50,90	—3,35	59,37	57,48
	22	17 34,63	34,40	—0,23	42 21,28	18,70	—2,58	16 1,52	16 0,17
	23	21 46,83	46,60	—0,23	28 24,67	24,60	—0,07	1,80	1,19
	24	25 58,45	58,00	—0,45	14 5,85	8,90	+3,05	2,74	2,06
	25	30 8,79	8,60	—0,19	108 59 28,16	32,10	+3,94	2,92	
	26	34 18,46	18,40	—0,06	44 29,49	34,50	+5,01	15 59,00	15 58,02
	27	38 27,78	27,50	—0,28	29 12,39	16,50	+4,11	16 2,28	58,97
	28	42 36,22	35,70	—0,52	13 34,71	38,30	+3,59	2,05	16 1,00
	29	46 43,54	43,10	—0,44	107 57 36,06	40,40	+4,34	5,32	
	30	50 50,31	49,70	—0,61	41 21,06	23,20	+2,14	2,02	15 57,80
	31							2,45	
Feb.	1	59 0,80	0,50	—0,30	7 49,33	52,40	+3,07	2,08	
	2	21 3 4,66	4,60	—0,06	106 50 35,36	39,60	+4,24	5,02	59,15
	3	7 8,55	8,00	—0,55	33 6,15	9,10	+2,95	2,52	
	4	11 10,75	10,60	—0,15	15 17,07	21,30	+4,23	1,62	
	5	15 12,96	12,40	—0,56	105 57 18,11	16,70	—1,41	2,14	
	6	19 13,84	13,30	—0,54	38 56,60	55,70	—0,90	1,00	
	7	23 13,43	13,30	—0,13				1,98	
	8	27 12,69	12,60	—0,09	1 31,04	26,00	—5,04	3,30	16 4,07
	9				104 42 21,02	18,30	—2,72		1,92

1837.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
Feb.	10	21 35 8,67	8,80	+0,13	104 22 51,27	55,80	+4,53	16 2,40	
	11	39 5,92	5,70	—0,22	3 16,34	18,00	+1,66	1,27	16 3,24
	12				103 43 26,17	28,50	+2,33		15 59,50
	13	46 57,52	57,19	—0,33	23 19,59	24,60	+5,01	2,02	16 2,55
	14	50 52,04	51,60	—0,44	3 1,25	7,80	+6,55	1,70	15 59,47
	15	54 45,65	45,40	—0,25	102 42 33,40	38,50	+5,10	1,70	16 3,02
	16	58 39,21	38,50	—0,71	21 56,40	57,00	+0,60	1,44	15 59,15
	17	22 2 31,79	30,90	—0,89	1 2,63	3,90	+1,27	2,90	16 1,15
	18	6 23,08	22,20	—0,88	101 39 58,03	59,50	+1,47	0,86	1,67
	19	10 13,54	13,10	—0,44	18 43,42	44,10	+0,68	2,58	4,00
	20	14 3,94	3,30	—0,64	100 57 14,04	18,00	+3,96	1,52	
	21	17 53,19	52,80	—0,39	35 41,40	42,10	+0,70	3,00	0,68
	24							0,35	
	25							2,20	
	26	36 51,43	51,10	—0,33	98 45 19,56	23,50	+3,94	4,76	
	27	40 37,34	37,10	—0,24	22 50,37	54,70	+4,33	1,40	0,92
	28	44 22,94	22,70	—0,24	0 15,85	18,40	+2,55	1,70	15 59,84
Mar.	1	48 7,99	7,80	—0,19	97 37 33,63	35,10	+1,47	15 55,37	16 0,81
	2	52 52,19	52,30	+0,11	14 44,47	45,20	+0,73	57,38	15 57,64
	3	55 36,17	36,30	+0,13	96 51 51,38	48,90	—2,48	59,08	16 3,67
	4	59 19,70	19,80	+0,10	28 46,86	46,90	+0,04	16 0,99	2,61
	5	23 3 2,83	2,80	—0,03	5 39,77	39,40	—0,37	1,20	
	6	6 45,61	45,40	—0,21	95 42 26,66	26,70	+0,04	15 58,74	1,62
	7	10 27,32	27,40	+0,08	19 11,27	9,40	—1,87	16 1,90	15 57,75
	8	14 9,22	9,20	—0,02	94 55 52,63	47,90	—4,73	0,04	16 1,50
	9	17 50,52	50,60	+0,08	32 23,38	22,60	—0,78	2,34	3,07
	10	21 31,50	31,60	+0,10	8 55,18	53,90	—1,28	1,80	4,78
	11	25 12,64	12,40	—0,24	93 45 20,21	22,30	—2,09	1,58	15 59,45
	12	28 52,29	52,60	+0,31	21 42,75	48,10	—5,35	2,58	16 1,28
	13	32 32,85	32,60	—0,25	92 58 9,92	11,70	+1,78	2,47	15 58,46
	14				34 31,86	33,40	+1,54	0,50	59,66
	15				10 53,36	53,70	+0,34	3,37	59,74
	16				91 47 10,81	12,90	+2,09	2,05	16 1,47
	17	47 9,35	9,80	+0,45	23 29,01	31,40	+2,39	0,98	0,62
	18				90 59 47,86	49,60	+1,74	15 59,45	
	19				36 14,59	7,80	—6,79	16 1,48	15 59,62
	20				12 29,46	26,30	—3,16	2,82	16 1,84
	21				89 48 45,32	45,50	+0,18	15 55,82	
	22				25 5,56	6,00	+0,44	16 1,88	1,15
	23	0 8 59,74	59,70	—0,04	1 24,70	26,70	+2,00	1,40	0,37
	24	12 37,77	37,70	—0,07	88 37 47,97	51,00	+3,03	15 59,34	15 59,86
	25	14 15,17	15,60	+0,43	14 12,12	16,20	+4,08	16 0,68	
	26				87 50 44,10	43,80	—0,30	1,44	
	27	23 31,73	31,40	—0,33	27 13,12	14,00	+0,88	0,87	16 1,30
	28	27 8,95	9,30	+0,35	3 45,31	47,30	+1,99	0,84	2,84
	29	30 46,71	47,30	+0,59	86 40 21,81	23,70	+1,89	0,48	1,32
	30	34 25,55	25,40	—0,15	17 4,74	4,00	—0,74	1,25	15 58,95
	31	38 3,24	3,50	+0,26	85 53 47,78	48,20	+0,42	1,97	59,87
April	1	41 41,90	41,60	—0,30	30 33,72	36,80	+3,08		
	2	45 19,99	20,00	+0,01	7 33,40	30,10	—3,30	0,64	
	3	48 58,45	58,50	+0,05	84 44 34,53	28,50	—6,03	0,35	16 1,40

1837.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
April	4				84 21 37,58	32,50	—5,08	16 0,77	16 2,02
	5				83 58 41,87	42,40	+0,53	15 59,50	4,15
	6				36 0,39	58,50	—1,89	59,20	3,68
	7	1 3 33,78	33,90	+0,12	13 21,02	21,00	—0,02	59,80	
	8	7 13,40	13,20	—0,20	82 50 49,49	50,60	+1,11	16 0,37	3,24
	9	10 52,96	52,90	—0,06	28 26,31	27,50	+1,19	1,96	
	11	18 12,83	12,80	—0,03	81 44 5,52	4,70	—0,82	1,43	15 58,84
	12	21 52,92	53,20	+0,28	22 6,05	5,70	—0,35	2,00	16 0,85
	13	25 33,83	33,80	—0,03	0 17,62	15,50	—2,12	0,60	15 58,22
	14	29 15,06	14,70	—0,36	80 38 38,25	34,20	—4,05	0,90	58,44
	15	32 55,94	55,90	—0,04	17 4,54	2,30	—2,24	1,62	57,18
	16				79 55 44,21	40,30	—3,91	0,28	16 2,16
	17	40 19,31	19,50	+0,19	34 33,32	28,40	—4,92	15 59,84	2,38
	18	44 2,02	1,80	—0,22	13 25,28	26,70	+1,42	16 1,57	0,95
	19	47 44,38	44,50	+0,12	78 52 28,82	35,80	+6,98	4,45	15 58,25
	20	51 27,87	27,60	—0,27	31 53,18	55,80	+2,62	2,18	16 1,02
	21	55 11,20	11,20	0,00	11 26,64	27,10	+0,46	0,15	15 59,62
	22	58 55,42	55,10	—0,32	77 52 6,64	10,00	+3,36	1,42	16 0,87
	23	2 2 39,60	39,60	0,00	32 4,97	4,60	—0,37	2,07	15 58,43
	24	6 24,63	24,50	—0,13	11 11,68	11,50	—0,18	0,90	16 0,68
	25	10 10,23	9,90	—0,33	76 51 32,63	30,90	—1,73	1,26	15 59,71
	26	13 55,95	55,80	—0,15	32 2,22	3,00	+0,78	1,70	16 0,34
	27	17 42,43	42,10	—0,33	12 48,79	48,10	—0,69	0,97	1,44
	28	21 29,50	29,10	—0,40	75 53 46,03	46,70	+0,67	1,30	15 59,97
	29	25 17,16	16,60	—0,56	35 1,97	59,00	—2,97	0,24	59,87
	30	29 4,70	4,60	—0,10	16 26,24	25,70	—0,54	2,32	59,08
May	1	32 53,35	53,10	—0,25	74 58 11,16	6,60	—4,56	2,18	16 0,33
	2	36 42,35	42,20	—0,15	40 1,39	2,30	+0,91	0,92	1,64
	3	40 32,24	31,90	—0,34	22 10,71	13,10	+2,39	0,92	1,86
	4	44 22,34	22,20	—0,14	4 34,51	39,30	+4,79	0,95	1,44
	5				73 47 17,31	21,30	+3,99	16 1,40	15 59,56
	6				30 15,14	19,40	+4,26	15 59,44	16 0,72
	8				72 57 0,56	5,00	+4,44	16 1,10	15 57,56
	9				40 49,11	53,30	+4,19	0,60	16 1,00
	10	3 7 35,42	35,40	—0,02	24 56,36	58,90	+2,54	1,98	
	11	11 29,69	29,40	—0,29	9 20,37	22,30	+1,93	1,37	0,24
	12	15 24,40	24,10	—0,30	71 54 2,65	3,60	+0,95	0,46	1,95
	13				39 2,27	3,30	+1,03	1,90	
	14				24 19,24	21,50	+2,26		
	15				9 56,97	58,60	+1,63	2,05	
	16				70 55 53,51	54,80	+1,29	0,64	
	17				42 7,03	10,40	+3,37		
	18				28 52,05	45,50	—6,55	15 59,62	
	23				69 26 43,39	43,10	—0,29		
	24	4 3 4,28	3,90	—0,38	15 19,85	20,70	+0,85	16 2,56	
	25	7 6,37	5,80	—0,57	4 18,85	19,50	+0,65	1,82	4,10
	28				68 33 20,71	25,60	+4,89	0,48	
	29							2,78	
	30	27 23,03	22,70	—0,33				2,47	
	31	31 27,76	27,50	—0,26	5 45,45	51,30	+5,85		
June	1				67 57 27,01	25,10	—1,91	1,04	

1837.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	″	° ′ ″	″	″	′ ″	′ ″
June	2	4 39 38,21	38,30	+0,09	67 49 18,24	21,90	+3,66	16 0,82	
	3				41 42,13	41,90	—0,23	1,02	
	4				34 20,93	25,20	+4,27	1,37	
	5	4 51 57,48	57,70	+0,22	27 30,29	32,20	+1,91	1,06	15 58,87
	6	56 4,75	4,80	+0,05	20 59,23	2,70	+3,47	2,22	
	7	5 0 12,30	12,30	0,00	14 54,06	57,10	+3,04	1,35	
	8	4 20,40	20,00	—0,40	9 13,66	15,40	+1,74	1,66	58,76
	9	8 28,32	27,90	—0,42	3 55,99	57,90	+1,91	4,40	
	10	12 36,58	36,20	—0,38	66 59 5,40	4,60	—0,80	1,66	
	11	16 45,11	44,60	—0,51	54 34,62	35,60	+0,98	3,54	
	12	20 53,30	53,30	0,00	50 33,05	31,10	—1,95	2,82	
	13	25 2,12	2,10	—0,02	46 44,64	51,00	+6,36	1,75	
	14	25 10,98	11,00	+0,02	43 36,19	35,10	—1,09	0,86	
	15	33 20,60	20,20	—0,40	30 43,80	44,40	+0,60	0,57	
	16	37 29,79	29,40	—0,39	38 15,72	18,20	+2,48	0,02	
	17	41 38,61	38,70	+0,09	36 14,74	16,50	+1,76	0,72	
	18				34 33,70	39,60	+5,90	15 59,84	
	19				33 26,08	27,50	+1,42	16 3,54	
	22	6 2 25,94	26,20	+0,26	32 17,08	19,20	+2,12	2,52	
	23	6 35,60	35,60	0,00	32 44,25	46,00	+1,75	0,75	
	24	10 44,76	45,10	+0,34	33 30,50	37,60		15 59,50	
	25	14 54,20	54,40	+0,20	34 55,90	54,00	—1,90	16 1,22	
	26	19 3,92	3,60	—0,32	36 31,31	35,10	+3,79	0,75	
	27	23 12,43	12,90	+0,47	38 41,04	40,80	—0,24	16 0,88	
	29	31 30,61	30,80	+0,19	44 2,47	6,20	+3,73	15 59,95	
	30	35 39,58	39,40	—0,18	47 24,98	25,70	+0,72	57,82	
July	1				51 11,67	9,70	—1,97	59,20	
	2				55 20,18	18,00	—2,18	59,95	
	3	48 4,92	4,00	—0,92				15 58,58	
	4				67 4 46,40	47,00	+0,60	16 0,12	
	5				10 6,79	8,60	+1,81	16 0,70	
	6				15 52,86	52,00	—0,86	15 59,95	
	7				22 1,37	0,10	—1,27	16 0,92	
	8	7 8 39,58	39,00	—0,58	28 23,87	32,90		0,86	
	9	12 44,99	44,80	—0,19	35 26,79	27,00	+0,21	1,35	
	10	16 50,15	50,30	+0,15	42 39,51	45,40	+5,89	1,77	
	11	20 55,43	55,30	—0,13	50 28,30	26,80	—1,50	1,30	
	12	24 59,84	59,80	—0,04	58 25,29	30,90	+5,61	2,45	
	13	28 4,62	3,90	—0,72	68 6 52,95	57,80	+4,85		
	14	33 8,11	7,50	—0,61	15 38,20	47,10		15 59,34	
	15	37 11,58	10,70	—0,88	24 58,01	58,60	+0,59	16 1,44	
	16	41 13,36	13,30	—0,06	34 25,74	32,10		1,12	
	17				44 25,30	27,40	+2,10		
	18	49 17,40	16,90	—0,50	54 35,59	44,30		15 59,50	
	19	53 18,52	18,00	—0,52	69 5 21,21	22,60	+1,39	16 2,30	
	20	57 18,51	18,40	—0,11					
	23	8 9 16,77	16,50	—0,27	51 28,40	25,00	—3,40	1,06	
	24				70 3 48,69	47,90	—0,79	0,08	
	25				16 24,97	29,90	+4,93		
	27				42 54,41	51,80	—2,61		
	28	29 3,04	2,30	—0,74	56 29,16	32,20	+3,04	0,37	

1837.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal.	Mean Semidiameter. Vertical.
		h. m. s.	s.	s.	° ′ ″	″	″	′ ″	
July	29				71 10 34,87	32,60	—2,27	16 1,62	
	30				24 47,94	50,60	+2,66	2,14	
	31				39 26,92	26,10	—0,82	16 2,27	
Aug.	2	48 34,21	33,70	—0,51	72 9 30,94	33,10	+2,16	15 59,56	
	3							15 59,07	
	5				56 53,21	54,00	+0,79	16 0,70	
	7	9 7 49,62	49,40	—0,22	73 29 50,51	51,20	+0,69	0,82	
	9	15 27,73	27,50	—0,23	74 3 53,13	52,10	—1,03	1,50	
	10	19 16,00	15,70	—0,30	21 13,34	16,60	+3,26	1,24	
	11	23 3,65	3,30	—0,35	38 55,51	54,10	—1,41	0,95	
	12	26 50,67	50,20	—0,47	56 50,33	47,30	—3,03	1,06	
	13	30 36,80	36,70	—0,10	75 15 1,03	54,90		16 0,20	
	20				77 28 1,20	4,80	+3,60	15 58,74	
	21	10 0 29,38	28,90	—0,48					
	22	4 10,69	10,80	+0,11	78 7 54,37	59,80	+5,43	16 0,64	
	23	7 52,48	52,20	—0,28	28 9,16	13,50	+4,34	16 0,24	
	24	11 33,31	33,20	—0,11	48 38,59	40,30	+1,71	15 59,84	
	25				79 9 13,15	16,90	+3,75	15 59,12	
	28	26 13,48	13,40	—0,08				16 0,64	
	29	29 52,51	52,50	—0,01	33 22,19	24,80	+2,61	1,44	
	30				54 55,36	50,50	—4,86	0,28	
	31				81 16 20,96	24,90	+3,94	16 0,55	
Sep.	1				38 7,20	7,70	+0,50	15 59,92	
	2				59 56,01	57,60	+1,59		
	4				82 44 0,57	2,00	+1,43	16 1,10	
	5				83 6 11,36	15,00	+3,64	16 2,98	
	6				28 42,06	35,70		15 58,65	
	7				50 57,29	0,80	+3,51	16 1,80	
	8				84 13 32,39	33,00	+0,61	15 59,64	
	9	11 9 43,18	42,70	—0,48	36 11,18	11,90	+0,72	15 59,70	
	10				58 57,69	53,90	—3,79	16 2,20	
	11				85 21 44,47	42,00	—2,47	15 59,82	
	12	11 20 30,11	30,00	—0,11	44 40,46	35,80	—4,66	16 0,86	
	13	24 5,72	5,50	—0,22	86 7 32,11	32,10	—0,01	0,60	
	14	27 41,20	40,90	—0,30	30 36,22	33,40	—2,82	1,17	
	15	31 16,69	16,40	—0,29	53 37,86	38,40	+0,54	0,52	
	16	34 51,78	51,70	—0,08	87 16 48,83	47,00	—1,83	0,37	
	17	38 27,60	27,00	—0,60	39 55,75	58,70	+2,95	1,15	
	18	42 2,70	2,40	—0,30	88 3 11,53	13,30	+1,77	0,66	
	19	45 37,76	37,80	+0,04	26 31,04	31,60	+0,56	1,37	
	20	49 13,46	13,20	—0,26	49 51,21	50,20	—1,01	0,20	
	21	52 48,59	48,70	+0,11	89 13 14,71	12,60	—2,11	0,22	
	22	56 24,38	24,20	—0,18	36 39,94	34,70	—5,24	16 0,77	
	23	12 0 0,02	0,00	—0,02	90 0 2,65	59,10	—3,55	15 59,77	
	24	3 35,65	35,90	+0,25	23 29,99	24,30	—5,69	16 1,44	
	25	7 12,08	11,80	—0,28	46 51,60	50,30	—1,30	16 0,55	
	26	10 48,25	48,10	—0,15	91 10 17,76	16,20	—1,56	15 59,97	
	27	12 14 24,73	24,50	—0,23	33 41,44	42,20	+0,76	16 1,06	
	28	18 1,04	1,00	—0,04	57 11,49	7,70	—3,79		
Oct.	5				94 40 21,17	19,50	—1,67	0,22	
	6				95 3 31,37	27,10	—4,27	0,48	

1837.		Right Ascension from observation.	Right Ascension from N. A.	Error of Tables.	North Polar Distance from observation.	North Polar Distance from N. A.	Error of Tables.	Mean Semidiameter. Horizontal	Mean Semidiameter. Vertical.
		h. m. s.	″	″	° ′ ″	″	″	′ ″	
Oct.	7				95 25 34,32	30,90	—3,42	16 0,57	
	9				96 12 34,75	25,30		1,12	
	10	13 1 43,52	43,10	—0,42	35 18,17	15,00	—3,17	16 0,28	
	11				57 58,43	59,30	+0,87	15 59,68	
	12	9 6,76	5,50	—1,26	97 20 41,73	37,80	—3,93	16 1,90	
	13	12 47,81	47,40	—0,41	43 5,97	10,30	+4,33	0,92	
	14	16 30,42	29,80	—0,62	98 1 34,99	36,40	+1,41	0,22	
	16	23 56,83	56,50	—0,33	50 4,12	8,20	+4,08		
	17				99 12 7,14	12,90	+5,76	15 59,12	
	18				34 9,93	9.60	—0,33	15 59,42	
	21				100 39 14,10	10,10	—4,00	16 0,92	
	22				101 0 36,05	31,60	—4,45	1,15	
	23				21 38,86	43,30	+4,44	15 59,84	
	24				42 48,59	45,10	—3,49	15 59,42	
	25				102 3 35,41	36,20	+0,79	16 0,60	
Nov.	6				105 57 35,31	30,70	—4,61	15 58,18	
	13				107 56 52,56	55,40	+2,84	15 59,58	
	19				108 54 43,63	10,50		16 2,56	
	21	15 46 13,36	13,30	—0,06					
	24				110 32 55,07	49,20		16 0,30	
	25				44 54,35	49,70	—4,65		
	26				56 25,09	26,90	+1,81	15 59,56	
	27	11 39,48	38,70	—0,78	111 7 44,51	40,50	—4,01		
	29				28 55,64	55,80	+0,16	16 0,48	
	30				38 59,22	56,90	—2,32	15 59,75	
Dec.	1				48 35,62	33,20	—2,42		
	2				57 46,46	44,20	—2,26	16 0,84	
	10				112 55 35,78	35,00	—0,78	15 58,98	
	11				113 0 53,21	48,50	—4,71	16 0,00	
	14				13 42,49	44,40	+1,91	15 59,92	
	15				17 6,12	7,70	+1,58	16 1,75	
	16				19 59,82	3,10	+3,28	16 1.08	
	19	17 47 55,27	55,00	—0,27	27 59,57	1,10	+1,53	15 58,90	
	20	52 21,83	21,60	—0,23	27 4,85	4.10	—0.75	15 59,38	
	21	56 48,22	48,20	—0,02	27 35,43	38,70	+3,27		
	22				27 51,48	45,00			
	23				27 24,09	23,00	—1,09		
	24	18 10 8,56	8,40	—0,16	26 32,87	32,50	—0,37		
	25	14 35,43	35,20	—0,23					
	26	19 2,04	1,70	—0,34	23 26,43	26,70	+0,27		
	27	23 28,67	28,10	—0.57	21 9,34	11,40	+2,06		
	28	27 55,39	54,50	—0,89					
	29	32 21,35	20,80	—0,55	15 15,39	16,40	+1,01		
	30				11 34,39	36,70	+2,31		
	31				7 32,70	29,10	—3,60		

In conformity with the plan followed in former volumes, I have here computed the value of the Mean Semidiameter of the Sun, from the observed transits—not that I have ever for a moment expected to obtain a very accurate determination by this means,—but rather from a desire of tracing the changes, if any, which might result in the method of estimating time from continued practice: the result has been simply this,—that the observer who at first observed a larger diameter than myself, has, after two or three years practice in observing, continued to observe the same larger diameter; and another Assistant who appeared to note the Diameter in defect, has continued to do so: Among the circle observations too, there appears to be the same cause in opperation,—each observer sees the Sun under a different angle, or forms a different judgment with regard to his being in contact with the wire; the results altogether are as follows—

			Sun's Mean Semidiameter. Horizontal.	Vertical.
			′ ″	′ ″
From 965 Observations in former years	=	———	16 1,48	
141 ——— ———	=	———		16 1,59
489 ——— 1836 and 1837	=	———	1,72	
150 ——— ———	=	———		0,77

Selecting from the above observations those made near to the Solstices, we will proceed to compute the value of the Obliquity of the Ecliptic—

Observations of the Sun made near to the Summer Solstices of 1836 *and* 1837 *applied to the determination of the Obliquity of the Ecliptic.*

1836.	N. P. D.	Reduction.	⊙'s Lat.	Solsticial N. P. D.	Correction for ☽r Nut.	Correction for ⊙ r Nut. $+\frac{t.\ 0'',46}{365}$	Mean Solsticial N. P. D. Reduced to Jan. 1.
	° ′ ″	° ′ ″	″	° ′ ″	″	″	° ′ ″
May 21	69 47 33,68	3 15 16,70	+0,93	66 32 17,91	+6,05	—0,51	66 32 23,45
22	69 35 33,21	3 3 16,46	0,95	17,70	,06	,52	23,24
23	69 23 51,81	2 51 38,46	0,93	13,28	,06	,53	18,81
24	69 12 34,03	2 40 20,18	0,89	14,74	,07	,53	20,28
25	69 1 35,19	2 29 24,62	0,81	11,38	,08	,54	16,92
26	68 51 1,85	2 18 49,76	0,72	12,81	,09	,55	18,35
28	68 30 58,41	1 58 47,03	0,48	11,86	,09	,57	17,38
30	68 12 25,59	1 40 13,33	0,21	12,47	,10	,58	17,99
31	68 3 44,01	1 31 30,50	0,09	13,60	,11	,60	19,11
June 1	67 55 23,69	1 23 9,60	—0,02	14,07	,12	,61	19,58
6	67 19 31,42	0 47 18,15	0,19	13,08	,17	,67	18,58
7	67 13 31,71	0 41 18,70	0,13	12,88	,18	,68	18,38
8	67 7 53,48	0 35 42,88	0,04	10,56	,19	,69	16,06
9	67 2 45,78	0 30 31,00	+0,05	14,83	,20	,71	20,32
10	66 58 0,04	0 25 43,39	0,18	16,83	,20	,71	22,32
11	66 53 35,48	0 21 20,24	0,30	15,54	,21	,72	21,03

1836.	N. P. D.	Reduction.	☉'s Lat.	Solsticial N. P. D.	Correction for ☽ r Nut.	Correction for ☉ r Nut. $+t\ \frac{0'',46}{365}$	Mean Solsticial N. P. D. Reduced to Jan. 1
	° ′ ″	° ′ ″	″	° ′ ″	″	″	° ′ ″
June 12	66 49 34,49	0 17 20,82	+0,43	66 32 14,10	+6,22	—0,72	66 32 19,60
13	66 46 2,33	0 13 46,15	,56	15,74	,23	,73	21,24
15	66 40 2,00	0 7 51,77	,78	11,01	,24	,74	16,51
16	66 37 45,86	0 5 31,20	,85	15,51	,25	,74	21,02
17	66 35 48,77	0 3 35,42	,89	14,24	,26	,75	19,75
18	66 34 18,84	0 2 4,43	,92	15,33	,26	,75	20,84
19	66 33 11,35	0 0 58,40	,91	13,86	,27	,75	19,38
20	66 32 32,33	0 0 16,83	,87	16,37	,27	,75	21,89
28	66 41 53,58	0 9 38,20	— ,04	15,34	,31	,76	20,92
July 2	66 56 23,07	0 24 8,50	,27	14,30	,33	,74	19,89
9	67 37 11,21	1 4 57,63	+ ,34	13,92	,36	,68	19,60
10	67 44 33,17	1 12 21,32	,47	12,32	,36	,67	18,01
14	68 17 54,87	1 45 46,15	,82	9,54	,38	,65	15,27
15	68 27 13,12	1 55 2,56	,85	11,41	,38	,64	17,15
16	68 36 55,13	2 4 42,26	,84	13,71	,39	,61	19,49
17	68 46 53,39	2 14 42,40	,80	11,79	,39	,60	17,58
19	69 8 2,44	2 35 48,40	,65	14,69	,41	,58	20,52
20	69 19 8,42	2 46 54,97	,54	13,99	,42	,57	19,84
1837.							
May 24	69 15 19,85	2 43 4,29	—0,30	66 32 15,26	+7,97	—0,53	66 32 22,70
25	69 4 18,85	2 32 2,59	—0,29	15,97	7,97	,54	23,40
31	68 5 45,45	1 33 36,11	+0,27	9,61	8,01	,60	17,02
June 2	67 49 18,24	1 17 8,00	,53	10,77	,02	,62	18,17
5	67 27 30,29	0 55 18,53	,82	12,58	,03	,66	19,95
6	67 20 59,23	0 48 48,88	,86	11,21	,03	,67	18,57
7	67 14 54,06	42 43,15	,89	11,80	,03	,68	19,15
8	67 9 13,66	37 1,03	,87	13,50	,04	,69	20,85
9	67 3 55,99	31 43,60	,83	13,22	,04	,71	20,55
10	66 56 5,40	26 50,27	,77	15,90	,04	,71	23,23
11	66 54 34,62	22 21,10	,67	14,19	,04	,72	21,51
12	66 50 33,05	18 16,87	,56	16,74	,05	,72	24,07
13	66 46 44,64	14 36,63	,43	8,44	,05	,73	15,76
14	66 43 36,19	11 21,00	,30	15,49	,05	,73	22,81
15	66 40 43,80	8 29,56	+0,17	14,41	,05	,74	21,72
16	66 38 15,72	6 3,15	+0,06	12,63	,06	,74	19,95
17	66 36 14,74	4 1,67	—0,05	14,02	,06	,75	21,33
22	66 32 17,08	0 4,25	,22	12,61	,10	,76	19,95
23	66 32 44,25	0 31,16	,16	12,93	,10	,76	20 27
24	66 33 30,50	1 22,80	,07	7,63	,10	,76	14,97
25	66 34 55,90	2 39,25	+0,03	16,68	,10	,76	24,02
26	66 36 31,31	4 20,67	,15	10,79	,11	,76	18,14
27	66 38 41,04	6 26,92	,29	14,41	,11	,76	21,76
29	66 44 2,47	11 51,98	,55	11,04	,12	,75	18,41
30	66 47 24,98	15 11,82	,66	13,82	,12	,75	21,19
July 8	67 28 23,87	56 19,00	,72	5,59	,14	,69	13,04
9	67 35 26,79	1 3 19,28	,61	8,12	,14	,68	15,58
10	67 42 39,51	10 31,00	,49	9,00	,14	,67	16,47
11	67 50 28,30	18 12,75	,35	15,90	,14	,66	23,38
12	67 58 25,29	26 16,57	,22	8,94	,15	,66	16,43
13	68 6 52,95	34 46,32	,10	6,73	,15	,65	13,23
14	68 15 38,20	43 33,68	— ,01	4,51	,16	,64	12,03

1837.	N. P. D.	Reduction.	☉'s Lat.	Solsticial N. P. D.	Correction for ☽ r Nut.	Correction for ☉ r Nut. $+\frac{t.\ 0'',46}{365}$	Mean Solsticial N. P. D. Reduced to Jan. 1.
	° ′ ″	° ′ ″	″	° ′ ″	″	″	° ′ ″
July 15	68 24 58,01	1 52 46,14	—0,10	66 32 11,77	+8,16	—0,62	66 32 19,31
16	68 34 25,74	2 2 17,60	,17	7,97	,17	,61	15,53
18	68 54 35,59	22 30,90	,22	4,47	,17	,59	12,05
19	69 5 21,21	33 9,63	,20	11,38	,18	,58	18,98
23	69 51 28,40	3 19 11,47	+ ,13	17,06	,21	,54	24,73

Observations of the Sun made near to the Winter Solstices of 1836 *and* 1837 *applied to the determination of the Obliquity of the Ecliptic.*

1836.	N. P. D.	Reduction.	☉'s Lat.	Solsticial N. P. D.	Correction for ☽ r Nut.	Correction for ☉ r Nut $+\frac{t.\ 0'',46}{365}$	Mean Solsticial N. P. D. Reduced to Jan. 1.
	° ′ ″	° ′ ″	″	° ′ ″	″	″	° ′ ″
Jan. 2	113 0 25,15	+0 27 14,78	+0,07	113 27 40,00	—5,08	+0,49	113 27 35,41
3	112 55 8,28	0 32 30,79	+0,18	39,25	,09	,48	33,84
4	112 49 28,38	0 38 14,19	+0,29	42,86	,10	,47	38,23
6	112 36 37,82	0 41 1,94	+0,42	40,18	,11	,45	36,52
7	112 29 32,95	0 58 6,45	+0,44	39,84	,12	,44	35,16
8	112 22 5,58	1 5 37,05	+0,44	43,07	,13	,43	38,37
9	112 14 5,82	1 13 33,98	+0,40	40,20	,13	,43	35,50
10	112 5 43,26	1 21 58,35	+0,33	41,94	,14	,42	37,22
11	111 56 52,36	1 30 48,50	+0,23	41,09	,15	,41	36,25
13	111 37 58,00	1 49 44,63	0,00	42,63	,16	,39	37,86
14	111 27 50,49	1 59 50,06	—0,12	40,41	,17	,38	35,62
16	111 6 28,03	2 21 16,79	—0,37	44,45	,18	,37	39,64
17	110 55 7,89	2 32 35,98	—0,47	43,40	,19	,34	38,55
18	110 43 25,71	2 44 19,65	—0,55	44,81	,10	,33	39,94
19	110 31 16,97	2 56 27,53	—0,62	42,88	,21	,31	37,98
21	110 5 55,61	3 21 51,55	—0,65	46,51	,23	,27	41,55
Nov. 22	110 10 48,53	3 16 54,52	—0,19	42,86	—7,11	+0,68	36,43
23	110 23 29,13	3 4 15,40	—0,06	44,47	,11	,70	38,06
26	110 59 8,64	2 28 33,48	+0,23	42,35	,13	,75	35,97
27	111 10 14,52	2 17 26,00	+0,30	40,82	,14	,77	34,45
28	111 21 1,82	2 6 42,67	+0,32	44,81	,14	,79	38,46
29	111 31 20,53	1 56 22,90	+0,33	43,76	,15	,80	37,41
Dec. 2	111 59 47,39	1 27 53,61	+0,15	41,15	,17	,84	34,82
4	112 16 43,69	1 11 1,18	—0,08	44,79	,18	,87	38,48
5	112 24 29,91	1 3 13,00	—0,22	42,69	,18	,88	36,39
6	112 31 51,23	0 55 51,70	—0,35	42,58	,19	,89	36,28
7	112 38 49,79	0 48 56,56	—0,48	45,87	,19	,90	39,58
11	113 1 57,36	0 25 44,77	—0,81	41,32	,21	,94	35,05
12	113 6 38,05	0 21 4,98	—0,83	42,20	,21	,95	35,94
17	113 22 57,07	0 4 43,08	—0,49	39,66	,24	,98	33,40
19	113 26 16,19	0 1 26,56	—0,23	42,52	,25	,99	36,26
23	113 27 10,92	0 0 32,96	+0,22	44,10	,27	,99	38,82
24	113 26 13,43	0 1 30,33	+0,28	44,04	,27	,99	38,76
31	113 6 20,17	0 21 20,46	—0,06	40,57	,30	,97	34,24

1837.	N. P. D.	Reduction.	⊙'s Lat.	Solsticial N. P. D.	Correction for ☽ r Nut.	Correction for ⊙ r Nut. $+\frac{t.\ 0'',46}{365}$	Mean Solsticial N. P. D. Reduced to Jan. 1.
	° ′ ″	° ′ ″	″	° ′ ″	″	″	° ′ ″
Jan. 3	112 50 55,34	+0 36 49,08	—0,43	113 27 43,99	—7,32	+0,49	113 27 37,16
5	112 38 19,13	49 25,07	,65	43,55	,33	,46	36,68
6	112 31 22,36	56 23,83	,73	45,46	,34	,45	38,57
7	112 24 1,01	1 3 47,85	,79	48,07	,34	,44	41,17
8	112 16 8,08	11 40,08	,82	47,34	,35	,43	40,42
9	112 7 45,93	19 57,60	,81	42,72	,36	,43	35,79
10	111 59 3,92	28 41,81	,78	44,95	,37	,42	38,00
11	111 49 55,77	37 50,82	,72	45,87	,38	,41	38,90
12	111 40 20,05	47 26,00	—0,63	45,42	,38	,40	38,44
19	110 21 51,43	3 5 58,15	+0,21	49,79	,40	,31	42,70
20	110 9 2,85	18 44,05	+0,29	47,19	,41	,30	40,08
Dec. 19	113 25 59,57	0 1 44,67	—0,04	44,20	—8,65	,99	36,54
20	27 4,85	0 41,78	,16	46,47	,65	,99	38,81
21	27 35,43	0 7,33	,30	42,46	,66	,99	34,79
24	26 32,87	1 13,77	,68	45,96	,68	,99	38,27
26	23 26,43	4 19,79	,85	45,37	,69	,98	37,66
27	21 9,34	6 34,94	,90	43,38	,69	,98	35,67
29	15 15,39	12 30,70	,92	45,17	,71	,98	37,44

Taking the means, which it will be observed are the mean values for the commencement of the respective years, and employing the annual variation, (—0″,46) we have determined altogether as follows—

		Mean Obliquity January 1, 1835. Summer Obs.		Winter Obs.	
	No. obs.	° ′ ″	No. obs.	° ′ ″
In the year 1831 from	33	23 27 38,57	36	23 27 37,14
—— —— 1832 ——	33	42,21	40	37,82
—— —— 1833 ——	33	40,37	47	38,15
—— —— 1834 ——	28	41,67	22	37,00
—— —— 1835 ——	32	40,58	30	36,56
—— —— 1836 ——	34	40,96	34	37,41
—— —— 1837 ——	37	41,70	18	39,09
Mean =		23 27 40,87		23 27 37,57

Whence, THE MEAN OBLIQUITY JAN. 1st 1835 = 23° 27′ 39″,22

Observations of the Sun made near to the Vernal Equinoxes of 1836 *and* 1837 *applied to the determination of the error of the assumed Equinoctial Point.*

1836.		Observed N. P. D.	Cor.	N. P. D. corrected for ☉'s Latitude.	Computed A. R.	Observed A. R.	Error of Eq. Point.	REMARKS.
		° ′ ″	″		h. m. s.	m. s ″	″	
Feb.	12	103 58 37,19	−0,18	103 58 37,01	21 40 1,85	40 1,54	−0,31	
	13	103 38 41,35	0,28	103 38 41,07	43 58,25	43 57,52	−0,73	
	14	103 18 37,35	0,36	103 18 36,99	47 52,83	47 52,40	−0.43	
	15	102 58 14,93	0,42	102 58 14,51	51 47,71	51 47,18	−0,53	
	16	102 37 42,53	0,45	102 37 42,08	55 41,53	55 41,20	−0,33	
	17	102 16 58,93	0,46	102 16 58,47	59 34,10	59 34,09	−0,01	
	18	101 56 0,78	0,44	101 56 0,34	22 3 26,65	3 26,24	−0,41	
	19	101 34 55,24	0,39	101 34 54,85	7 17,76	7 17,63	−0,13	
	20	101 13 37,89	0,31	101 13 37,58	11 8,35	11 8,67	+0,32	
	21	100 52 5,56	−0,21	100 52 5,35	14 59,08	14 58,47	−0,61	
	24	99 46 39,58	+0,16	99 46 39,74	26 25,58	26 25,28	−0,30	
	25	99 24 34,42	0,27	99 24 34,69	30 12,85	30 12,42	−0,43	
	26	99 2 16,49	0,39	99 2 16,88	34 0,28	33 59,81	−0,47	
	27	98 39 58,42	0,50	98 39 58,92	37 45.80	37 46,16	+0,36	
	28	98 17 25,31	0,57	98 17 25,88	41 32,00	41 32,06	+0,06	
	29	97 54 48,64	0,63	97 54 49,27	45 17,06	45 17,22	+0,16	
Mar.	1	97 32 3,40	0,65	97 32 4,05	49 1,88	49 2,15	+0,27	
	2	97 9 12,18	0,66	97 9 12,84	52 46,11	52 46,02	−0,09	
	3	96 46 16,18	0,64	96 46 16,82	56 29,65	56 29,69	+0.04	
	4	96 23 10 62	0,59	96 23 11,21	23 0 13,36	0 13,01	−0,35	
	5	99 0 5,74	0,50	96 0 6,24	3 55.67	3 55.67	0.00	
	6	95 36 55,59	0,40	95 36 55,99	7 37,54	7 37,60	+0,06	
	7	95 13 40.00	0,31	95 13 40,31	11 19,27	11 20,16	+0,89	
	8	94 50 15,41	0,18	94 50 15,59	15 1,33	15 1,91	+0,58	
	9	94 26 52,79	+0,06	94 26 52,86	18 42,11	18 42,62	+0,51	
	10	94 3 21,03	−0,05	94 3 20,98	22 23,45	22 23,56	+0,11	
	11	93 39 49,34	0,16	93 39 49,18	26 3,89	26 3,86	−0,03	
	12	93 16 12,32	0,23	93 16 12,09	29 44,59	29 44,36	−0,23	
	13	92 52 38,95	0,30	92 52 38,65	33 24.00	33 24,33	+0.33	
	14	92 28 57.96	0.33	92 28 57,63	37 4.03	37 4.56	+0,53	
	16	91 41 35,63	0,33	91 41 35,30	44 22,58	44 22,73	+0.15	
	17	91 17 53,09	0,28	91 17 52,81	48 1,81	48 1,66	−0,15	
	18	90 54 12,09	0,22	90 54 11,87	51 40,37	51 40.74	+0.37	
	19	90 30 31,33	−0,13	90 30 31,20	55 18,71	55 19,27	+0,56	
	20	90 6 46,88	+0,03	90 6 46,91	58 57,50	58 57.11	−0,39	
	22	89 19 26,96	0,23	89 19 27,19	0 6 13,74	6 14,33	+0,59	
	23	88 55 45,58	0,36	88 55 45,94	9 52,22	9 52.53	+0,31	
	24	88 32 7,26	0.47	88 32 7,73	13 30,47	13 30.13	−0,34	
	25	88 8 31,58	0,57	88 8 32,15	17 8,59	17 8,63	+0,04	
	26	87 44 59,28	0,66	87 44 59,94	20 46,50	20 46,20	−0.30	
	28	86 58 5,42	0,76	86 58 6,18	28 2,10	28 2,61	+0,51	
	29	86 34 41,78	0,76	86 34 42,54	31 40,22	31 40,04	−0,18	
	30	86 11 24.35	0,74	86 11 25.09	35 18.06	35 18,07	+0,01	
	31	85 48 14,09	0,70	85 48 14,79	38 55,50	38 56,02	+0,52	
April	1	85 25 2,72	0,62	85 25 3,34	42 33,93	42 34.32	+0,39	
	2	85 1 56,19	0,53	85 1 56,72	46 12,50	46 12,53	+0.03	
	3	84 39 1,80	0,42	84 39 2,24	49 50.08	49 50,93	+0,85	
	5	83 53 13,11	+0,19	83 53 13,30	57 8,48	57 7,57	−0,91	
	6	83 30 30,82	+0,07	83 30 30,89	1 0 47,51	0 47,01	−0,50	
	7	83 7 57.50	−0,04	83 7 57,46	4 26,38	4 25,77	−0,61	

1836.	Observed N. P. D.	Cor.	N. P. D. corrected for ⊙'s Latitude.	Computed A. R.	Observed A. R.	Error of Eq. Point.	REMARKS.
	° ′ ″	″		h. m. s.	m. s. ″	″	
April 8	82 45 27,54	—0,13	82 45 27,41	1 8 6,03	8 5,59	—0,44	
9	82 23 8,94	0,19	82 23 8,75	11 45,27	11 45,03	—0,24	
10	82 0 55,77	0,24	82 0 55,53	15 25,13	15 24,87	—0,26	
11	81 38 51,77	0,26	81 38 51,51	19 5,07	19 5,31	+0,24	
12	81 16 55,56	0,25	81 16 55,31	22 45,40	22 45.55	+0,15	
13	80 55 9,64	0,21	80 55 9,43	26 26,41	26 26,35	—0,06	
15	80 12 2,37	—0,06	80 12 2,31	33 47,83	33 49,10	+*1,27	obsd. by V.
16	79 50 41,31	+0,04	79 50 41,35	37 29,73	37 30,48	+0,75	——— A.
17	79 29 27,63	0,17	79 29 27,80	41 12,47	41 13,38	+0,91	——— B.
18	79 8 24,31	0,28	79 8 24,59	44 55.60	44 55,39	—0,21	
19	78 47 32,44	0,40	78 47 32,84	48 39,00	48 38,52	—0,48	
1837							
Feb. 13	103 23 19,59	+0,06	103 23 19,65	21 46 58.27	46 57,52	—0,75	
14	103 3 1,25	0,17	103 3 1,42	50 53,07	50 52,04	—1,03	
15	102 42 33,40	0,27	102 42 33,67	54 46,58	54 45,65	—0,93	
16	102 21 56,40	0,34	102 21 56.74	58 38,66	58 39,21	+0,55	
17	102 1 2,63	0,39	102 1 3,02	22 2 31,12	2 31,89	+0,77	
18	101 39 58,03	0,41	101 39 58.44	6 22,74	6 23,08	+0,34	
19	101 18 43,42	0,40	101 18 43,82	10 13,45	10 13,54	+0,09	
20	100 57 14,04	0,38	100 57 14,42	14 4,12	14 3,94	—0,18	
21	100 35 41,40	0,32	100 35 41,72	17 53,19	17 53,19	0,00	
26	98 45 19,56	—0,20	98 45 19,36	36 52,06	36 51,43	—0,63	
27	98 22 50,37	0,31	98 22 50.06	36 38.07	40 37.34	—0,73	
28	98 0 15,85	0,41	98 0 15,44	44 23,20	44 22,94	—0,26	
Mar. 1	97 37 33,63	0,50	97 37 33,13	48 7,92	48 7,99	+0,07	
2	97 14 44,47	0.56	97 14 43,91	52 52,19	52 52,19	0,00	
3	96 51 51,38	0.59	96 51 50,79	55 35,60	55 36,17	+0,57	
4	96 28 46,86	0,59	96 28 46.27	59 19,33	59 19,70	+0,37	
5	96 5 39,77	0,57	96 5 39,20	23 3 2,40	3 2,83	+0,43	
6	95 42 26,66	0,51	95 42 26,15	6 45,06	6 45,61	+0,55	
7	95 19 11,27	0,45	95 19 10.82	10 26,93	10 27,32	+0,39	
8	94 55 52,63	0,36	94 55 52,27	14 8.20	14 9,22	+1,02	
9	94 32 23.38	0,24	94 32 23,14	17 50,26	17 50,52	+0,26	
10	94 8 55,18	0,12	94 8 55,06	21 31,20	21 31,50	+0,30	
11	93 45 20,21	+0,01	93 45 20,22	25 12,39	25 12.64	+0,25	
12	93 21 42,75	0.13	93 21 42,88	25 53,18	28 52,29	—0,89	
13	92 58 9,92	0,24	92 58 10,16	32 32.62	32 32,85	+0.23	
17	91 23 29,01	0,51	91 23 29,52	47 10,01	47 9,35	—0 66	
23	89 1 24.70	0,16	89 1 24,86	0 9 0,11	8 59,74	—0,37	
24	88 37 47,97	0,05	88 37 48 02	12 38,05	12 37,77	—0,28	
25	88 14 12,12	—0.07	88 14 12,05	14 16,14	14 15,17	—0,97	
27	87 27 13,12	0.28	87 27 12,34	23 31,51	23 31,73	+0,22	
28	87 3 45,31	0,38	87 3 44,93	27 9,51	27 8.95	—0.56	
29	86 40 21 81	0,43	86 40 21,38	30 47,47	30 46,71	—0,76	
30	86 17 4.74	0.49	86 17 4,25	34 25,14	34 25,55	+0,41	
31	85 53 47,78	0,49	85 53 47,29	38 3.35	38 3.24	—0,11	
April 1	85 30 33,72	0,47	85 30 33.25	41 42 01	41 41,90	—0,11	
2	85 7 33.40	0 42	85 7 32,98	45 19,34	45 19,99	+0,65	
3	84 44 34,53	0,35	84 44 34,18	48 57,38	48 58,45	+1,07	
7	83 13 21,02	+0.10	83 13 21,12	1 3 33,87	3 33,78	—0,09	
8	82 50 49.49	0.22	82 50 49,71	7 13,38	7 13,40	+0,02	
9	82 28 26.31	0,34	82 28 26,64	10 52,99	10 52,96	—0.03	

* Omitted in taking the Mean.

1837.	Observed N. P. D.	Cor.	N. P. D. corrected for ⊙'s Latitude.	Computed A. R.	Observed A. R.	Error of Eq. Point.	REMARKS.
	° ′ ″	″		h. m. s.	m. s. ″	″	
April. 11	81 44 5,52	+0,52	81 44 6,04	1 18 12,58	18 12,83	+0,25	
12	81 22 6.05	0,60	81 22 6,65	21 53,01	21 52,92	—0,09	
13	81 0 17,62	0,62	81 0 18,24	25 33,35	25 33.83	+0,48	
14	80 38 38,25	0,63	80 38 38,88	29 15,97	29 15,06	—0,91	
15	80 17 4,54	0,61	80 17 5,15	32 55,59	32 55,94	+0,35	
17	79 34 33,32	0,50	79 34 33,82	40 18,61	40 19,31	+0,70	
18	79 13 25,28	0,40	79 13 25,68	44 2,07	44 2,02	—0,05	

Observations of the Sun made near to the Autumnal Equinoxes of 1836 *and* 1837 *applied to the determination of the error of the Equinoctial Point.*

1836.	Observed N. P. D.	Cor.	N. P. D. corrected for ⊙'s Latiude.	Computed A. R.	Observed A. R.	Error of Eq. Point.	REMARKS.
	° ′ ″	″		h. m. s.	m. s. ″	″	
Sep. 9	84 41 43,17	+0,53	84 41 43,70	11 10 35,56	10 34,77	—0,79	
11	85 27 14,99	0,40	85 27 15,39	17 46,81	17 46,79	—0,02	
12	85 50 11,29	0,31	85 50 11,60	21 22,82	21 22,28	—0,54	
16	87 22 31,57	—0,18	87 22 31,39	35 45,01	35 44,70	—0,31	
20	88 55 36,69	—0.53	88 55 36,16	50 6,27	50 6,42	+0,15	
21	89 18 59.54	0,56	89 18 58,98	53 41,93	53 42,03	+0,10	
22	89 42 24,65	0,57	89 42 24,08	57 17,81	57 17,44	—0,37	
25	90 52 32,54	0,41	90 52 32.13	12 8 4,39	8 4,59	+0,20	
26	91 16 2,37	0,32	91 16 2,05	11 41,13	11 40,99	—0,14	
29	92 26 12,20	+0,04	92 26 12,24	22 30,37	22 30.75	+0,38	
Oct. 4	94 22 40,39	0,43	94 22 40,82	40 38.39	40 38,40	+0,01	
6	95 9 0,74	0,43	95 9 1,17	47 56,48	47 56,08	—0,40	
8	95 55 2,68	0,31	95 55 2.99	55 15,79	55 15,20	—0,59	
9	96 17 54,45	0,22	96 17 54,67	58 55,67	58 55,83	+0,16	
10	96 40 45,03	0,11	96 40 45,14	13 2 36,62	2 36,57	—0.05	
11	97 3 23,18	—0,01	97 3 23,17	6 16,89	6 17,78	+0,89	
12	97 26 2,62	0,14	97 26 2,48	9 58,79	9 59,67	+0,88	
13	97 48 36,53	0,27	97 48 36,26	13 41,29	13 41,89	+0,60	
14	98 10 59,48	0.38	98 10 59,10	17 23,59	17 23.97	+0,38	
18	99 39 33,70	0.66	99 39 33,04	32 20,94	32 20,80	—0,14	
19	100 1 19,10	0,67	100 1 18,43	36 6.31	36 6,33	+0,02	
20	100 23 0,87	0,65	100 23 0,22	39 53,11	39 52,70	—0,41	
21	100 44 25,38	0.60	100 44 24,78	43 39,20	43 39,34	+0,14	
22	101 5 44.16	0,52	101 5 43,64	47 26,63	47 27.01	+0,38	
25	102 8 38,39	0,21	102 8 38,18	58 52,98	58 53,74	+0,76	
1837							
Sep. 9	84 36 11,18	—0,30	84 36 10,88	11 9 42,80	9 43,18	+0,38	
12	85 44 40 46	0.29	85 44 40,17	20 30,93	20 30,11	—0,82	
13	86 7 32.11	0,24	86 7 31,87	24 5,57	24 5,72	+0,15	
14	86 30 36,22	0.16	86 30 36,06	27 41,45	27 41,20	—0,25	
15	86 53 37,86	0,06	86 53 37,80	31 16,29	31 16,69	+0.40	
16	87 16 48.83	+0,05	87 16 48,88	34 51,99	34 51,78	—0,21	
17	87 39 55,75	0,17	87 39 55,92	38 26,56	38 27,60	+1,04	
18	88 3 11,53	0:28	88 3 11,81	42 2,07	42 2,70	+0.63	
19	88 26 31,04	0,39	88 26 31,43	45 37,78	45 37,76	—0.02	
20	88 49 51,21	0.50	88 49 51,71	49 13,30	49 13,46	+0,16	

1837.	Observed N. P. D.	Cor.	N. P. D. corrected for ⊙'s Latitude.	Computed A. R.	Observed A. R.	Error of Eq. Point.	REMARKS.
	° ′ ″	″		h m. s	m. s. ″	″	
Sep. 21	89 13 14,71	+0,57	89 13 15,28	11 52 49,11	52 48,59	—0,52	
22	89 36 39,94	0,63	89 36 40,57	56 25,10	56 24,38	—0,72	
23	90 0 2,65	0,66	90 0 3,31	12 0 0,69	0 0,02	—0,67	
24	90 23 29,99	0,66	90 23 30,65	3 36,68	3 35,65	—1,03	
25	90 46 51,60	0,64	90 46 52,24	7 12,02	7 12,08	+0,06	
26	91 10 17,76	0,59	91 10 18,35	10 48,24	10 48,25	+0,01	
27	91 33 41,44	0,51	91 33 41,95	14 24,28	14 24,73	+0,45	
28	91 57 11,49	0,42	91 57 11,91	18 2,09	18 1,04	—1,05	
Oct. 10	96 35 18,17	—0,39	96 35 17,78	13 1 43,67	1 43,52	—0,15	
12	97 20 41,73	0,22	97 20 41,51	9 6,19	9 6,76	+0,57	
13	97 43 5,97	0,11	97 43 5,86	12 46,76	12 47,81	+1,05	
14	98 5 34,99	0,00	98 5 34,99	16 29,71	16 30,42	+0,71	
16	98 50 4,12	+0,23	98 50 4,35	23 55,86	23 56,83	+0,97	

Taking the means and refering to former Vols. we have determined altogether as follows—

ERROR OF THE ASSUMED EQUINOCTIAL POINT.

Observations in Spring.	s	*Observatians in Autumn.*	s
from 19 observations in 1831	+0,055	from 17 observations in 1831	+0,267
—— 50 —— 1832	— ,140	—— 48 —— 1832	,399
—— 48 —— 1833	— ,046	—— 29 —— 1833	,325
—— 56 —— 1835	+ ,392	—— 29 —— 1835	,376
—— 59 —— 1836	+ ,003	—— 25 —— 1836	,052
—— 45 —— 1837	— ,001	—— 23 —— 1837	,050

In Vol. III, I had proposed to reject the result derived from the Spring Observations of 1835; but the results from the Autumnal Observations of 1836 and 1837, when compared with former results, exhibiting a similarly large discordance, it would appear preferable to retain it; accordingly we have

Error of the assumed Equinoctial Point.

	s
From the Observations in Spring	+0,043
—— —— —— Autumn	+0,245

∴ MEAN ERROR OF THE ASSUMED EQUINOCTIAL POINT +0,144

The results here obtained from the Observations at the Vernal and Autumnal Equinoxes, as well as those arrived at for the Obliquity, at page 68, exhibit a discordance, such as would be explained by attributing an error to the assumed place of the pole (the Latitude in fact); to understand this matter clearly, it is necessary to recollect, that every measure of North Polar Distance which is contained in this andthe previous volumes of the Madras Results, has been derived from the Greenwich Catalogue of 720 Stars for 1825; which catalogue reckoned the N. P. D. from a point (supposed to be the pole) situated at an altitude of 51° 28′ 38″,5 above the north horizon of the Greenwich Royal Ob-

servatory; hence, the error (if any) of this assumption, necessarily affects by its whole amount, the N. P. D. of every Star of the above catalogue, and consequently each and every measure of N. P. D which has been made at Madras: thus, to render the Solsticial Observations at Madras accordant, we must diminish the Latitude of Greenwich 1″,65; and to reconcile the Observations at the Equinoxes, we must diminish the Latitude 0″,66,—rendering it exceedingly probable, that the Latitude of Greenwich as above stated, must be diminished by about one second.*

The presumed Latitude of Greenwich	51° 28′ 37″,5
In vol. I. Difference of Latitude of Madras and Greenwich.	38 24 29 ,3
Latitude of Madras ..	13 4 8 ,2

OBSERVATION OF SPOTS UPON THE SUN'S DISC.

The following observations of the various spots which have from time to time passed over the Sun's disc—have been made at the time of Transit with the Meridianal Instruments, so as not to prevent the ordinary observation of the Limb; at the Transit, one or two wires have mostly been taken; and at the Mural Circle, only two Microscopes could be read off; they are however on the whole, I apprehend—little inferior to the other observations.

Apparent Right Ascension and Declination of Spots observed upon the Sun's Disc, together with their Geocentric and Heliocentric Places.

Madras M. T.				Apparent A. R.				Apparent Decn.				Geocentric Longitude.				Geocentric Latitude.				Heliocentric Longitude.				Heliocentric Latitude.			
1835	D.	h.	m.		h.	m.	s.	°	′	″		°	′	″		′	″			°	′	″		°	′	″	
Dec.	23	23	59,5	(1)	18	8	8,25	—23	22	8,5		271	52	3,3		+4	46,6			76	17	31		+17	5	13	
	25	0	0,0	(1)		12	19,41	23	20	32,8		272	49	42,6		+5	21,1			90	41	45		18	55	3	
	26	0	0,5	(1)		16	29,93	23	18	39,0		273	47	15,0		+5	49,2			105	28	40		21	0	53	
	27	0	1,0	(1)		20	41,78	23	16	18,5		274	45	7,7		+6	16,7			119	27	38		22	45	25	
	29	0	2,0	(1)		29	10,78	23	10	50,9		276	42	11,3		+6	40,8			149	16	33		24	18	17	
	30	0	2,5	(1)		33	28,37	23	7	34,2		277	41	29,3		+6	44,3			163	52	17		24	32	11	
1836																											
Jan.	4	0	4,9		18	55	39,23	22	41	52,0		282	49	1,5		—8	48,0			157	8	8		—25	37	28	
	8	0	6,7	(5)	19	13	31,72	22	28	43,1		287	1	4,2		—6	6,9			142	22	0		—22	8	45	
	20	0	11,1		20	5	12,24	20	13	20,5		299	10	37,1		+7	20,6			175	23	23		+26	56	18	
	21	0	11,4			9	16,36	20	0	14,7		300	9	24,2		+8	7,2			170	58	33		+30	5	10	
	23	0	12,0	(1)		18	10,58	19	33	55,3		302	17	47,2		+6	14,3			140	3	54		+22	38	37	

* In Vol. II. page 84, I had arrived at very nearly the same result,—a result which has lately been completely verified by the observations at Greenwich.

Madras M. T.			Apparent A. R.				Apparent Decn.			Geocentric Longitude.			Geocentric Latitude.			Heliocentric Longitude.			Heliocentric Latitude.		
1836 D.	h.	m.		h.	m.	s.	°	′	″	°	′	″	′	″		°	′	″	°	′	″
Jan. 26	0	12,7	(1)	20	30	10,22	−18	52	56,0	305	12	32,2	+6	17,2		184	17	34	+22	51	18
31	0	13,7	(2)		51	57,69	17	39	49,4	310	31	15,8	−2	54,0		125	44	24	−10	19	10
Feb. 1	0	13,8	(2)		55	49,54	17	24	47,5	311	28	32,2	3	35,3		139	56	58	−12	48	41
2	0	13,9	(2)		59	40,58	17	8	48,3	312	25	57,2	3	36,5		153	51	56	−12	52	58
3	0	14,0	(2)	21	3	32,39	16	52	33,5	313	23	42,6	3	47,5		168	0	17	−13	32	94
4	0	14,2	(2)		7	24,72	16	35	53,6	314	21	46,2	3	48,5		182	6	38	−13	36	58
5	0	14,3	(2)		11	19,86	16	18	54,9	315	20	39,0	4	5,1		195	37	59	−14	37	37
8	0	14,5	(5)		23	19,76	15	25	44,2	318	21	44,5	5	39,2		213	59	0	−20	28	49
9	0	14,5	(5)		27	17,16	15	6	48,9	319	22	2,3	5	28,0		223	1	41	−19	47	2
15	0	14,5			51	29,27	13	1	51,8	325	35	38,0	1	53,7		165	2	42	− 6	44	15
16	0	14,4	(3)		55	57,15	12	41	33,2	326	43	56,5	4	56,1		137	54	9	−17	48	18
17	0	14,4	(3)		59	36,70	12	21	48,2	327	41	2,8	4	45,1		151	39	21	−17	7	44
18	0	14,3	(3)	22	3	16,50	12	1	59,5	328	38	17,4	4	45,6		164	56	46	−17	9	25
19	0	14,2	(3)		6	56,16	11	42	3,1	329	35	23,7	5	25,1		179	51	22	−19	37	52
20	0	14,1	(3)		10	37,05	11	21	51,7	330	33	22,0	5	18,8		192	40	54	−19	14	26
24	0	13,6	(2)		27	15,96	9	46	9,4	334	56	50,7	4	4,2		105	28	26	−14	37	59
26	0	13,3	(2)		34	28,53	9	3	3,8	336	51	54,1	3	18,6		133	8	39	−11	51	51
27	0	13,2	(2)		38	2,19	8	41	37,9	337	48	51,9	3	2,6		146	38	47	−10	53	41
29	0	12,8	(4)		45	40,84	7	57	10,5	339	50	42,5	4	24,1		143	46	50	−15	53	30
Mar. 1	0	12,6	(4)		49	13,23	7	35	29,9	340	47	36,3	4	14,5		156	14	21	−15	17	14
3	0	12,2	(4)		56	16,06	6	52	19,0	342	41	2,4	4	17,1		183	13	53	−15	27	16
7	0	11,2	( )	23	10	53,40	5	19	2,0	346	38	12,7	2	26,0		198	7	27	− 8	42	45
8	0	11,0	( )		14	24,77	4	57	13,3	347	35	10,8	2	51,2		213	13	35	−10	14	21
10	0	10,5			21	34,14	4	8	2,7	349	32	53,8	+0	30,6		225	1	43	+ 1	49	8
31	0	4,3	(6)		39	38,70	4	14	6,5	10	46	11,2	−2	3,6		148	5	47	− 7	22	50
April 1	0	3,9	(6)		43	5,09	4	36	8,8	11	42	9,3	−1	55,9		163	14	15	− 6	57	12
2	0	3,6	(6)		46	31,01	4	56	46,8	12	37	48,8	−2	3,7		177	12	57	− 7	23	40
3	0	3,3	(6)		49	54,35	5	19	14,7	13	32	49,2	−1	59,3		193	14	40	− 7	11	11
4	0	3,0			53	42,99	5	40	30,7	14	33	31,0	−4	28,2		188	24	50	−16	17	49
5	0	2,7			57	14,08	6		38,0	15	30	5,7	−5	17,0		193	41	55	−19	22	0
7	0	2,2	(9)	1	3	55,17	6	55	46,1	17	22	52,6	+6	24,4		219	52	56	+23	43	32
8	0	1,9	(8)		7	10,21	7	13	35,0	18	14	24,2	+4	23,2		256	59	58	+16	0	6
9	0	1,6	(6)		10	54,29	7	27	24,8	19	11	3,2	−3	56,7		279	50	57	−14	21	35
14	0	0,3			30	51,91	9	26	35,2	24	20	3,7	+0	1,8		204	17	5	+ 0	6	79
15	0	0,0			34	22,89	9	58	40,0	25	30	23,4	+6	49,0		151	5	47	+25	24	49
22	23	58,7		2	3	1,36	+12	34	13,2	32	59	26,3	+3	10,0		242	13	58	+11	32	56
30	23	56,9	(6)		33	50,58	15	3	56,9	40	52	35,8	−2	22,1		219	49	55	− 8	36	30
May 1	23	56,8	(8)		37	25,94	15	27	4,4	41	49	9,0	+3	31,7		227	8	48	+12	53	12
Sep. 25	23	51,3	(7)	12	12	14,74	− 1	15	57,0	183	18	43,5	+3	25,0		333	27	44	+12	23	23
27	23	50,7	(7)		19	27,35	2	0	39,0	185	10	10,0	+2	56,7		0	11	0	+10	38	57
28	23	50,3	(7)		22	28,06	2	22	36,3	186	5	50,1	+3	4,7		13	43	30	+11	7	57
29	23	50,0	(7)		25	53,17	2	45	13,5	187	1	42,3	+2	53,7		25	7	24	+10	27	12
Oct. 11	23	46,5	(9)	13	10	38,49	7	21	1,1	199	6	8,2	+5	36,2		346	12	8	+20	31	1
13	23	46,1			17	44,67	8	4	6,7	200	59	1,9	+8	20,4		11	53	36	+31	24	7

The numbers (1), (2), &c. are supplied—to shew when the same spot has been re-observed: If we compare the cases in which the same spot has been re-observed after a complete revolution, we determine approximately.

from No. 1, that the Sun rotates on his axis at the rate of 14° 2′ in 24 hours.
——— 2, ——— ——— ——— ——— ——— ——— 14 6 ——— ———
——— 6, ——— ——— ——— ——— ——— ——— 13 48 ——— ———
——— 9, ——— ——— ——— ——— ——— ——— 14 4½ ——— ———

The observation on the 30th April, shews that the position of the spot had shifted 6 or 7 degrees (apparently 1′ 50″), or that another spot had sprung up in its neighbourhood; and the observation of No. 1 on the 29th of December and 23rd January, shews a variation of 2 degrees in the Heliocentric Latitude:* the observation of No. 9, which embracing 7 revolutions, should be a good one,—seems to confirm 1 and 2 in giving a rate of rotation of 14° 4′ a day; or it would appear, that the Sun makes one complete *sidereal revolution* on his axis in 25 days 14 hours. With regard to the position of the Solar Axis, the above observations are sufficient only to furnish a rude approximation: it would appear that the inclination of the Solar Axis to the Pole of the Ecliptic is between 6 and 7 degrees; and that the Heliocentric Longitude of the intersection of the Solar Equator with the Plane of the Ecliptic is about 95°.

Observed Right Ascension and North Polar Distance of MERCURY, *compared with the places interpolated from the Nautical Almanac.*

1836.		Madras. Time of Observation.	A. R. from Observatioon.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
		h. m. s.	h. m. s.	″	″	° ′ ″	° ″	″	
Jan.	16	0 38 20,1	20 17 25,55	24,95	—0,60	—	—	—	
	19	0 47 45,8	20 38 42,64	42,34	—0,30	110 33 15,93	33 8,44	—7,49	
	21	53 52,8	20 52 43,47	43,11	—0,36	109 33 26,60	33 17,43	—9,17	faint.
	22	56 51,2	59 38,76	38,92	+0,16	109 0 58,46	1 3,30	+4,84	
	23	59 46,1	21 6 30,87	30,92	+0,05	108 27 22,78	27 23,91	+1,13	
	26	1 8 0,9	26 36,64	36,68	+0,04	106 38 29,92	38 29,62	—0,30	
	27	10 33,1	21 33 6,08	5,68	—0,40	105 59 53,09	59 50,46	—2,63	
	29	15 12,3	45 37,90	37,54	—0,36	104 39 48,95	39 48,64	—0,31	
Feb.	2	22 2,0	22 8 15,89	15,45	—0,44	101 53 47,26	53 46,75	—0,51	
	3	23 3,4	13 14,11	13,80	—0,31	101 12 34,70	12 31,82	—2,88	
	4	23 44,1	17 51,54	51,41	—0,13	100 32 3,79	32 0,13	—3,66	
	5	24 2,1	22 6,29	5,77	—0,52	99 52 41,58	52 33,93	—7,65	
	6	23 54,0	25 54,92	54,59	—0,33	99 14 39,06	14 38,77	—0,29	
	8	22 12,1	32 5,70	5,23	—0,47	98 4 53,09	4 54,61	+1,52	
	9	20 33,2	34 23,30	22,46	—0,84	97 33 59,29	33 59,28	—0,01	
	10	18 18,9	36 5,58	4,97	—0,61	97 6 16,34	6 16,00	—0,34	
April	13	23 0 51,3	0 30 33,76	33,83	+0,07	89 10 43,41	10 51,63	+8,22	
	14	23 3 20,0	0 36 59,40	59,05	—0,35	—	—	—	
	18	14 14,9	1 3 42,17	41,89	—0,28	85 14 16,18	14 22,09	+5,91	
	22	26 52,9	32 8,57	8,65	+0,08	81 52 3,19	52 4,70	+1,51	
	24	34 4,8	47 4,50	4,65	+0,15	80 8 17,06	8 13,18	—3,88	
	25	37 36,2	54 43,84	43,83	—0,01	—	—	—	
May	31	1 38 53,7	6 14 20,44	20,31	—0,13	64 53 2,75	53 1,61	—1,14	

* In case these spots are not situated upon the illuminated *surface* of the Sun, some part of the discrepancy here found may be explained; but the observation of the Solar spots, are, by reason of their varied figure—so subject to inaccuracy, that nothing conclusive with regard to their situation or movements, can be expected from the above few observations.

1836.		Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
		h. m. s.	h. m. s.	″	″	° ′ ″	° ″	″	
July.	19	22 39 39,7	6 31 45,13	45,09	—0,04	68 47 2,94	47 7,34	+4,40	
Oct.	6	1 12 29,4	14 12 30,79	30,65	—0,14	—— ——	——	——	
Nov.	22	22 56 34,1	15 5 28,70	28,36	—0,34	106 19 48,47	19 53,30	+4,83	
	25	23 3 16,4	15 24 0,09	59,94	—0,15	107 53 51,48	53 55,13	+3,65	
Dec.	4	25 30,1	21 46,49	46,01	—0,48	111 52 12,85	52 13,01	+0,16	
1837									
Jan.	3	0 52 57,2	19 43 49,04	48,91	—0,13	113 28 46,37	28 48,98	+2,61	
	7	1 4 49,2	20 11 29,49	29,35	—0,14	112 3 31,31	3 30,45	—0,86	
	8	7 36,8	18 14,01	14,22	+0,21	111 38 24,05	38 26,14	+2,09	
	9	10 18,5	24 52,57	52,29	—0,28	111 11 55 61	11 56,14	+0,53	
	10	12 53,0	31 24,32	23,99	—0,33	110 44 4,91	44 5,02	+0,11	
	24	21 29,0	21 35 13,50	12,82	—0,68	103 25 22,54	25 20,50	—2,04	invisible to the Circle observer.
Feb.	19	22 37 21,1	20 37 5,09	4,27	—0,82	—— ——	——	——	
	20	35 6,7	38 47,81	47,24	—0,57	107 1 14,05	1 18,11	+4,06	
Mar.	1	28 11,6	21 7 20,03	19,78	—0,25	106 52 16,56	52 18,07	+1,51	
	5	30 16,7	25 12,03	11,12	—0,91	106 9 41,18	9 48,84	+7,66	
	6	31 6,9	29 59,02	58,73	—0,29	105 55 34,62	55 38,74	+4,12	
	7	32 5,5	34 53,34	53,08	—0,26	105 40 1,87	40 5,19	+3,32	
	8	33 8,8	39 54,01	53,62	—0,39	105 23 5,94	23 8,58	+2,64	
	9	34 19,0	45 0,38	0,10	—0,28	105 4 47,76	4 49,95	+2,19	
	10	35 33,3	50 12,39	11,70	—0,69	104 45 7,91	45 10,10	+2,19	
	13	39 47,2	22 6 16,13	15,80	—0,33	103 38 0,91	38 8,71	+7,80	
	16	44 39,2	22 58,39	58,36	—0,03	102 19 16,47	19 19,42	+2,95	
	22	56 0,1	57 59,51	59,29	—0,22	99 7 21,77	7 26,26	+4,49	
	23	58 3,8	23 4 1,64	1,29	—0,35	98 30 59,89	31 8,69	+8,80	
	24	23 0 12,5	10 6,59	6,65	+0,06	—— ——	——	——	
	26	4 41,6	22 28,21	27,66	—0,55	96 35 3,11	35 6,14	+3,03	
	27	6 57,3	28 42,92	43,39	+0,47	95 54 2,12	54 4,68	+2,56	
	28	9 19,9	35 2,34	2,50	+0,16	95 11 56,44	11 54,40	—2,04	
	29	11 47,6	41 25,93	25,69	—0,24	94 28 40,79	28 36,44	—4,35	
	30	14 16,6	47 52,60	52,58	—0,02	93 42 7,86	44 11,98	+4,12	
April	19	0 16 43,8	2 5 24 23	24,26	+0,03	—— ——	——	——	
	20	20 46,6	13 24,54	24 32	—0,22	76 19 5,37	19 5,60	+0,23	
	21	24 51,2	21 26,19	26,18	—0,01	75 26 59,47	26 55,29	—4,18	
	25	41 6,4	53 30,57	30,67	+0,10	72 12 54,94	12 53,15	—1,79	
	26	43 3,8	3 1 25,05	24,71	—0,34	71 29 1,52	29 3,08	+1,56	
	30	51 51,0	32 1,78	2 11	+0,33	68 56 13,28	56 11,70	—1,58	
May	2	1 6 23,8	46 27,64	27,70	+0,06	67 54 34,49	54 32,82	—1,67	
	3	9 22,5	53 23,70	23,84	+0,14	67 27 34,07	27 30,03	—4,04	
	11	24 55,9	4 40 32,16	32,38	+0,22	65 7 46,01	17 44,34	—1,67	
	12	25 41,1	4 45 14,94	15,03	+0,09	65 11 29,12	11 26,54	—2,58	
July	9	22 44 11 4	5 55 54,24	54,86	+0,62	—— ——	——	——	
	11	22 50 26,4	6 10 3,54	4,12	+0,58	67 19 10,45	19 11,77	+1,32	
	18	23 20 7,0	7 7 25,62	25,38	—0,24	66 49 6,65	49 7,74	+1,09	
	19	23 25 0,3	7 16 19,23	19 72	+0,49	—— ——	——	——	
Aug.	7	0 46 38,3	9 49 5,48	6,04	+0,56	—— ——	——	——	invisible to the Circle observer.
	9	0 53 1,4	10 3 22,51	22,81	+0,30	76 27 28,78	27 32,40	+3,62	
	28	1 28 33,4	11 53 54,96	54,87	—0,09	90 6 48,28	6 34,25	—4,03	
Sep.	13	28 37,0	12 57 3,46	3,34	—0,12	—— ——	——	——	
	20	15 7,2	13 11 7,39	7,04	—0,35	101 30 15,89	30 18,03	+2,14	
	21	12 3,8	11 59,81	59,52	—0,29	101 39 19,31	39 21,41	+2,10	
	22	8 39,8	12 31,71	31,26	—0 45	101 45 19,56	45 22,98	+3,42	
	23	5 39,4	12 41,05	40,16	—0,89	101 48 6,56	48 7,98	+1,42	

Observed Right Ascension and North Polar Distance of VENUS, *compared with the places interpolated from the Nautical Almanac.*

1836.		Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N.P.D. from N. A.	Error of N. A.	REMARKS.
		h m s.	h. m. s.		″	° ′ ″	″	″	
Jan.	4	1 40 36,9	20 32 33,75	33,38	—0,37	110 29 18,27	14,20	— 4,07	
	7	44 12,6	47 59,41	59,49	+0,08	109 33 17,28	12,44	— 4,84	
	8	45 22,0	53 5,58	5,48	—0,10	109 13 27,65	24,00	— 3,65	
	16	53 47,2	21 33 5,09	4,89	—0,20	106 16 23,19	21,53	— 1,66	
	19	56 34,6	47 42,64	42,47	—0,17	105 2 25,68	17,75	— 7,93	
	20	57 27,6	52 32,27	32,39	+0,12	104 36 51,04	47,18	— 3,86	
	21	58 20,0	57 21,48	21,01	—0,47	104 10 51,89	53,26	+ 1,37	
	22	59 9,9	22 2 7,82	8,38	+0,56	103 44 34,62	36,51	+ 1,89	
	23	59 59,7	6 54,39	54,51	+0,12	103 17 59,75	58,10	— 1,65	
	25	2 1 35,1	16 23,00	23,06	+0,06	102 23 40,78	39,50	— 1,28	
	26	2 20,9	21 5,49	5,60	+0,11	101 56 2,01	0,70	— 1,31	
	28	3 49,4	30 27,20	26,86	—0,34	100 59 49,49	48,04	— 1,45	
	29	4 31,5	35 6,25	5,86	—0,39	100 31 19,69	16,03	— 3,66	
Feb.	2	7 10,3	53 32,57	32,39	—0,18	98 34 33,01	34,73	+ 1,72	
	3	7 48,2	58 6,26	6,60	+0,34	98 4 48,52	49,90	+ 1,38	
	4	8 25,0	23 2 39,89	39,78	—0,11	97 34 51,72	52,91	+ 1,19	
	5	9 0,5	7 12,25	12,16	—0,09	97 4 45,74	44,13	— 1,61	
	6	9 35,5	11 43,88	43,72	—0,16	96 34 26,82	24,72	— 2,10	
	8	10 43,1	20 24,61	24,63	+0,02	95 33 21,26	16,75	— 4,51	
	9	11 15,9	25 14,25	14,03	—0,22	95 2 37,72	30,44	— 7,28	
July	31	23 20 5,7	7 59 34,83	35,17	+0,34	—	—	—	
Sep.	9	21 5 27,8	22 15,69	15,65	—0,04	74 48 24,60	13,06	—11,54	
	12	2 36,4	31 14,47	14,83	+0,36	74 56 36,90	26,73	—10,17	
	20	20 57 33,9	8 57 44,39	44,21	—0,18	75 38 44,87	36,74	— 8,13	
Oct.	3	20 54 50,7	9 46 16,22	16,16	—0,06	77 52 44,79	42,15	— 2,64	
Nov.	25	21 9 40,0	13 30 5,47	5,03	—0,44	97 13 36,36	35,56	— 0,80	
Dec.	1	13 12,8	57 17,26	16,68	—0,58	99 44 53,99	52,74	— 1,25	
	5	15 51,8	14 15 44,15	43,60	—0,55	101 22 49,65	50,25	+ 0,60	
	6	16 33,7	20 23,38	22,87	—0,51	101 46 48,75	50,21	+ 1,46	
	19	27 29,1	15 22 36,33	35,96	—0,37	106 33 37,93	38,03	+ 0,10	
1837.									
Jan.	2	21 43 0,4	16 33 20,37	19,96	—0,41	110 27 13,29	13,19	— 0,10	
	19	22 5 59,5	18 3 25,93	25,13	—0,80	112 41 24,05	30,49	+ 6,44	
Feb.	3	27 24,0	19 24 2,33	1,82	—0,51	111 59 44,08	47,71	+ 3,63	
	5	30 9,4	34 41,47	40,89	—0,58	111 42 36,87	43,17	+ 6,30	
	6	31 42,4	39 59,78	59,48	—0,30	111 33 5,82	11,83	+ 6,01	
	7	32 51,8	45 17,64	17,01	—0,63	111 22 55,20	61,78	+ 6,58	
	8	22 34 13,1	19 50 34,46	34,30	—0,16	111 12 6,97	13,17	+ 6,20	
	9	35 32,3	55 50,99	50,52	—0,47	111 0 42,45	46,77	+ 4,32	
	10	36 51,7	20 1 6,34	5,91	—0,43	110 48 42,37	42,56	+ 0,19	
	17	45 33,9	37 28,03	27,18	—0,85	109 7 20,18	25,18	+ 5,00	
	19	47 56,0	47 41,74	41,29	—0,45	108 33 14,10	20,44	+ 6,34	
	20	49 3,5	52 46,87	46,38	—0,49	108 15 24,82	30,94	+ 6,12	
	26	55 32,7	21 22 55,79	55,74	—0,05	106 17 43,98	49,02	+ 5,04	
Mar.	1	58 30,1	37 45,51	45,35	—0,16	105 12 37,33	38,12	+ 0,79	
	5	23 2 16,2	57 16,83	16,26	—0,57	103 39 46,00	52,31	+ 6,31	
	7	4 2,5	22 6 55,58	55,36	—0,22	102 51 4,85	12,00	+ 7,15	
	8	4 55,1	11 43,45	43,33	—0,12	102 26 16,34	20,00	+ 3,66	
	9	5 44,2	16 30,73	30,37	—0,36	102 1 5,07	7,88	+ 2,81	
	10	6 32,7	21 16,90	16,37	—0,53	101 35 31,35	36,21	+ 4,86	

1837.		Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
		h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Mar.	13	23 8 54,4	22 35 29,07	28,80	—0,27	100 17 12,26	10,08	—2,18	
	15	10 21,7	44 53,00	53,07	+0,07	99 23 32,11	32,34	+0,23	
	16	11 10,1	49 33,56	33,41	—0,15	98 56 16,86	19,42	+2,56	
	19	13 17,8	23 3 31,62	30,95	—0,67	97 33 14,68	16,66	+1,98	
	20	13 58,9	8 8,96	8,68	—0,28	97 5 11,93	11,88	—0,05	
	21	14 40,0	12 46,22	45,85	—0,37	96 36 54,43	54,56	+0,13	
	22	15 18,3	23 17 22,43	21,89	—0,54	96 8 25,93	26,53	+0,60	
	23	15 57,7	21 58,49	58,32	—0,17	95 39 49,93	48,49	—1,44	
	24	16 36,9	26 33,67	33,74	+0,07	95 11 4,71	0,90	—3,81	
	26	17 54,5	23 35 43,67	43,42	—0,25	94 13 1,03	0,43	—0,60	
	27	18 29,4	40 16,82	17,29	+0,47	93 43 47,49	49,03	+1,54	Clock error doubtful.
	28	19 6,7	44 50,68	50,30	—0,38	93 14 29,68	32,12	+2,44	
	29	19 44,9	49 24,55	24,41	—0,14	92 45 6,70	7,28	+0,58	
	30	20 20,5	53 57,48	57,73	+0,25	92 15 39,89	38,37	—1,52	
April	1	21 32,6	0 3 3,08	3,01	—0,07	91 16 28,63	28,33	—0,30	
	7	25 6,7	30 16,31	16,33	+0,02	81 18 10,83	11,70	+0,87	
	11	27 29,3	0 48 25,72	26,05	+0,33	86 19 41,45	37,74	—3,71	
	12	28 6,2	52 59,10	58,90	—0,20	85 0 14,08	8,14	—5,94	
	13	28 41,6	57 32,25	32,02	—0,23	85 20 49,05	43,76	—5,29	
	14	29 18,5	1 2 5,36	5,44	+0,08	84 51 31,81	25,02	—6,79	
	17	31 11,8	15 48,06	48,07	+0,01	83 24 10,95	10,08	—0,87	
	19	32 29,0	24 58,45	58,48	+0,03	82 6 44,79	41,57	—3,22	
	20	33 7,6	29 34,25	34,56	+0,31	81 58 16,88	10,88	—6,00	
	21	33 47,8	34 10,61	11,10	+0,49	81 29 58,89	52,85	—6,04	
	23	35 9,8	43 26,46	26,52	+0,06	80 33 57,34	50,32	—7,02	
	24	35 50,6	48 5,07	5,16	+0,09	80 6 15,85	6,35	—9,50	
	25	36 34,0	52 44,27	44,43	+0,16	79 38 45,66	36,83	—8,83	
	26	37 17,8	57 24,42	24,73	+0,31	79 11 26,27	21,56	—4,71	
	27	38 2,2	2 2 5,54	5,71	+0,17	78 44 23,58	21,36	—2,22	
May	1	41 8,1	20 58,12	58,10	—0,02	——	——	——	
	3	42 45,8	2 30 29,33	29,84	+0,51	——	——	——	
June	2	0 14 32,5	4 56 40,89	40,91	+0,02	67 11 28,23	24,79	—3,44	
	5	18 37,3	5 12 36,00	36,04	+0,04	66 43 15.86	14,16	—1,70	
	6	20 1,2	17 55,78	55,85	+0,07	66 35 11,23	11,11	—0,12	
	9	24 12,5	33 58,77	58,48	—0,29	66 15 9,93	8,88	—1,05	
	11	27 2,9	44 42,86	42,42	—0,44	66 5 16,99	16,78	—0,21	
	12	28 28,7	50 5,02	4,88	—0,14	66 1 25,45	24,08	—1,37	
	13	29 54,4	55 27,50	27,77	+0,27	65 58 14,69	13,86	—0,83	
	14	31 20,6	6 0 50,32	50,74	+0,42	65 55 46,69	46,37	—0,32	
	16	34 13,3	11 37,21	37,13	—0,08	65 53 0,14	0,04	—0,10	
	17	34 39,8	16 59,88	0,13	+0,25	65 52 42,35	41,28	—1,07	
	18	37 6,7	22 23,88	23,57	—0,31	65 53 5,23	5,49	+0,26	
	25	47 5,5	7 0 0,15	0,52	+0,37	66 15 56,65	56,25	—0,40	
July	9	1 5 36,0	8 13 45,45	45,60	+0,15	68 42 55,29	58,88	+3,59	
	11	7 59,0	24 2,14	2,31	+0,17	69 14 12,03	14,32	+2,29	
	12	9 8,9	29 8,75	9,08	+0,33	69 30 45,00	45,33	+0,33	
	13	10 17,6	34 14,98	14,56	—0,42	69 47 52,42	50,90	—1,52	
	14	11 25,3	39 19,26	18,85	—0,41	70 5 33,05	30,54	—2,51	
	20	17 44,9	9 9 18,85	18,84	—0,01	72 2 45,60	46,37	+0,77	
	23	20 37,5	24 2,09	2,11	+0,02	73 8 5,48	10,24	+4,76	
	28	25 2,9	48 10,58	10,01	—0,57	75 6 9,28	6,79	—2,49	
Aug.	9	33 44,5	10 44 12,29	11,97	—0,32	80 26 37,46	36,35	—1,11	
	28	43 45,9	12 9 9,94	9,44	—0,50	89 58 59,54	58,86	—0,68	

1837.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Sep. 13	1 51 29,6	13 19 59,89	59,53	—0,36	98 10 51,32	56,26	+4,94	
14	52 1,6	24 28,49	28,00	—0,49	98 40 38,49	46,27	+7,78	
20	55 26,0	51 32,75	32,14	—0,61	101 35 30,98	35,58	+4,60	
21	56 2,6	56 5,77	5,39	—0,38	102 3 53,62	55,49	+1,87	
22	56 40,2	0 40,08	39,48	—0,60	102 31 54,74	59,69	+4,95	
23	57 18,5	5 15,01	14,44	—0,57	102 59 40,23	47,34	+7,11	

Observed Right Ascension and North Polar Distance of MARS, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N.P.D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
July 18	20 40 19,2	4 28 9,90	9,52	—0,38	68 28 40,56	41,29	+ 0,73	
19	39 19,2	31 4,83	4,54	—0,29	68 21 27,46	26,03	— 1,43	
Aug. 26	19 58 22,0	6 19 50,07	49,99	—0,08	——	——	——	
Sep. 9	19 41 7,5	6 57 44,13	43,59	—0,54	66 39 51,28	45,95	— 5,33	
11	38 30,3	7 2 59,07	59,28	+0,21	66 45 16,85	15,46	— 1,39	
12	37 11,4	7 5 36,35	36,40	+0,05	66 48 18,11	11,23	— 6,88	
13	35 49,6	7 8 12,34	12,64	+0,30	66 51 21,85	16,36	— 4,99	
Oct. 13	18 50 10,4	8 20 40,78	41,05	+0,27	69 14 52,77	51,19	— 8,58	
14	18 48 26,1	22 52,91	53,46	+0,55	——	——	——	
1837.								
Jan. 26	13 16 43,4	9 40 18,18	18,00	—0,18	71 19 39,84	27,37	—12,47	
27	13 11 22,4	38 53,01	52,48	—0,53	11 32,84	21,41	—11,43	
28	13 5 58,4	37 25,45	25,10	—0,35	3 23,76	14,12	— 9,64	
29	13 0 34,3	35 56,24	55,99	—0,25	70 55 18,18	6,21	—11,97	
31	12 49 40,2	32 53,67	53,27	—0,40	39 11,00	58,35	—12,65	
Feb. 2	12 38 42,2	29 46,43	45,64	—0,79	23 19,06	4,87	—14,19	
3	33 10,5	28 10,84	10,45	—0,39	15 31,87	16,21	—15,66	
4	27 38,4	26 35,03	34,59	—0,44	7 49,57	34,20	—15,37	
5	22 6,5	24 58,66	58,26	—0,40	0 16,20	0,04	—16,16	
6	16 34,7	23 22,17	21,61	—0,56	69 52 50,49	34,66	—15,83	
7	11 0,9	21 45,46	44,89	—0,57	45 32,92	18,51	—14,41	
8	5 20,5	20 8,44	8,20	—0,24	38 26,93	14,16	—12,77	
9	11 59 58,1	18 32,49	31,74	—0,75	69 31 32,82	20,48	—12,34	
10	54 27,3	16 56,68	56,10	—0,58	25 50,37	38,95	—11,42	
11	48 55,6	15 21,48	21,09	—0,39	18 20,70	11,67	— 9,03	
12	43 19,6	13 47,21	46,71	—0,50	12 4,45	55,18	— 9,27	
13	37 25,8	12 13,99	13,53	—0,46	7 1,36	53,89	— 7,47	
14	32 29,6	10 41,96	41,27	—0,69	0 13,57	7,57	— 6,00	
15	27 3,7	9 11,37	10,87	—0,50	68 54 42,75	35,07	— 7,68	
17	16 14,4	6 14,73	14,40	—0,33	44 23,73	18,02	— 5,71	
18	10 53,8	4 49,42	48,85	—0,57	39 37,07	32,66	— 4,41	
19	6 34,7	3 25,69	25,21	—0,48	35 8,82	2,22	— 6,60	
26	10 29 25,9	8 44 46,47	45,70	—0,77	11 24,99	17,89	— 7,10	
27	24 25,6	53 42,33	42,05	—0,28	9 5,45	59,41	— 6,04	
28	19 29,8	52 42,18	41,32	—0,86	7 2,50	57,11	— 5,39	
Mar. 1	14 36,1	51 34,21	43,60	—0,61	5 14,93	10,55	— 4,38	
4	9 59 14,5	49 9,21	8,45	—0,76	1 28,08	24,94	— 3,14	
5	55 32,8	48 23.88	23,13	—0,75	0 43,10	40,23	— 2,87	

1837.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Mar. 6	9 50 54,5	8 47 41,62	40,96	—0,66	68 0 12,89	10,29	—2,60	
7	46 20,1	47 2,73	2,06	—0,67	67 59 56,98	54,75	—2,23	
8	41 48,7	46 27,11	26,44	—0,67	67 59 55,96	53,67	—2,29	
9	37 20,4	45 54,54	54,05	—0,49	68 0 8,36	6,67	—1,69	
10	32 55,6	45 25,53	24,91	—0,62	0 35,87	33,71	—2,16	
11	28 33,5	44 59,53	59,03	—0,50	1 15,99	14,51	—1,48	
12	24 15,6	44 36,94	36,41	—0,53	2 11,06	8,74	—2,32	
13	19 59,8	44 17,53	17,00	—0,53	3 18,38	15,71	—2,67	
16	7 33,6	43 38,65	37,90	—0,75	7 53,22	53,06	—0,16	
17	3 30,7	43 31,69	31,13	—0,56	9 50,11	48,55	—1,56	
18	8 59 31,2	43 28,16	27,45	—0,71	11 58,38	56,08	—2,30	

Apparent Right Ascension and North Polar Distance of VESTA, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Mar. 11	12 52 13,5	12 10 9,52	11,57	+2,05	78 8 32,31	46,81	+14,50	
12	47 25,4	9 17,54	19,88	2,34	78 0 30,28	46,11	15,83	
13	42 37,5	8 25,60	27,64	2,04	77 52 34,42	50,17	15,75	
14	37 47,8	7 32,16	34,44	2,28	77 44 45,96	60,48	14,52	
15	32 53,7	6 38,42	40,81	2,39	77 37 2,65	17,49	14,84	
16	28 9,2	5 44,51	46,72	2,21	77 29 26,55	43,80	17,25	
17	23 19,1	4 49,77	52,21	2,44	77 22 1,54	14,24	12,70	
20	8 47,4	2 5,05	7,03	1,98	77 0 32,74	44,87	12,13	
21	3 55,6	1 9,40	11,76	2,36	76 53 43,43	56,85	13,42	
22	11 59 4,5	0 14,29	16,49	2,20	76 47 6,49	18,52	12,03	
25	44 31,8	11 57 28,87	31,54	2,67	76 28 23,13	34,70	11,57	
26	39 42,1	56 34,76	37,12	2,36	76 22 33,44	40,64	7,20	
28	30 3,0	54 47,25	49,61	2,36	76 11 35,40	46,51	11,11	
29	25 14,5	53 44,11	56,68	2,57	76 6 27,33	38,38	11,05	
April 1	10 52,0	51 19,30	21,93	2,63	75 52 28,03	39,13	11,10	
2	6 6,5	50 29,37	31,89	2,52	75 48 19,34	27,53	8,19	
5	10 51 55,1	49 5,02	7,49	2,47	75 37 19,82	31,35	11,53	
6	47 13,1	47 19,16	21,50	2,34	75 34 14,19	23,32	9,13	
7	42 32,3	46 34,11	36,59	2,48	75 31 21,95	31,24	9,29	
8	37 52,7	45 50,56	52,89	2,33	75 28 46,82	55,36	8,54	
9	33 14,5	45 8,05	10,45	2,40	75 26 26,38	34,82	7,94	
10	28 37,5	44 26,92	29,32	2,40	75 24 22,54	30,61	8,07	
11	24 1,7	43 47,05	49,51	2,46	75 22 34,63	42,69	8,06	
12	19 27,9	43 8,74	11,14	2,40	75 21 3,31	10,88	7,57	
13	14 55,0	42 31,72	33,82	2,10	75 19 46,91	55,23	8,32	
14	10 27,9	41 56,42	58,77	2,35	75 18 49,17	55,71	6,54	
15	5 53,6	41 22,37	24,48	2,11	75 18 5,45	13,79	8,34	
16	1 26,4	40 50,35	52,52	2,17	75 17 38,25	45,02	6,77	
17	9 57 3,8	40 19,39	Places given approximately only in the N.A.		75 17 26,25			
18	52 39,5	39 50,31			75 17 31,85			
19	48 9,7	39 22,77			75 17 51,06			
20	43 53,8	38 57,18			75 18 25,86			
22	35 15,2	38 10,77			75 20 23,88			

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
April 23	9 30 59,0	11 37 50,11	Places given approximately only in the N. A.		75 21 45,89			
26	18 19,7				75 27 19,66			
27	14 6,5	36 45,21			75 29 37,78			
28	9 59,1	36 33,34			75 32 10,81			
1837.								
Aug. 27	12 51 56,7	23 15 14,52	16,13	+1,61	106 3 37,22	20,34	—16,88	
28	47 9,6	14 22,13	24,39	2,26	106 11 42,15	26,14	16,01	
29	42 21,5	13 30,21	32,04	1,83	106 19 44,08	26,87	17,21	
Sept. 13	11 29 41,5	22 59 56,73	58,60	1,87	108 3 35,34	23,72	11,62	
14	25 3,3	59 4,39	6,02	1,63	108 9 5,66	53,03	12,63	
21	10 51 45,4	53 16,73	18,77	2,04	108 41 15,29	4,36	10,93	
22	47 4,0	52 31,02	32,88	1,86	108 44 55,29	44,56	10,73	
23	42 23,6	51 46,33	48,09	1,76	108 48 20,64	10,45	10,19	
24	37 44,3	51 2,68	4,51	1,83	108 51 31,98	21,98	10,00	
27	24 12,6	48 59,38	1,00	1,62	108 59 40,51	29,75	10,76	

Apparent Right Ascension of North Polar Distance of JUNO, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Jan. 2	11 50 55,7	6 36 39,36	35,76	—3,60	89 25 24,11	44,32	+20,21	
3	46 6,8	35 46,65	42,97	3,58	89 20 5,30	28,33	23,03	
6	31 44,1	33 11,25	7,59	3,66	89 2 40,10	1,45	21,35	
7	26 57,7	32 20,57	17,09	3,48	88 56 18,76	41,00	22,24	a Star observed by mistake.
8	22 12,4	31 30,89	27,42	3,47	88 54			
11	8 0,7	29 6,84	3,29	3,55	88 28 27,83	51,78	23,95	
13	10 58 39,0	27 36,25	32,42	3,83	88 13 14,16	35,68	21,52	
14	53 58,6	26 52,38	48,77	3,61	88 5 17,82	38,50	20,68	a Star observed by mistake.
16	44 43,2	25 28,83	25,29	3,54	87 54			
24	8 43,4	20 54,73	51,09	3,64	86 36 32,10	53,17	21,07	
31	9 38 42,7	18 24,98	21,73	3,25	85 27 43,67	2,69	19,02	
Feb. 1	34 30,0	18 10,90	7,79	3,11	85 17 41,71	58,31	16,60	
2	30 22,9	17 58,61	55,75	2,86	85 7 33,56	51,80	18,24	
1837.								
April 11	12 27 41,2	13 46 49,29	44,93	4,36	89 53 47,86	40,43	— 7,43	very faint.
12	22 58,3	46 1,96	57,86	4,10	89 47 26,13	18,41	— 7,72	———
18	11 54 38,7	41 17,56	14,27	3,29	89 3 54,29	51,62	— 2,67	———
23	31 7,5	37 25,15	21,33	3,82	88 31 21,51	20,65	— 0,86	———
27	12 24,0	———	———	———	88 7 41,12	35,05	— 6,07	———

Apparent Right Ascension and North Polar Distance of PALLAS, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A.R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m s.	″	″	° ′ ″	″	″	
Aug. 17	11 13 55,3	20 58 27,79	29,49	+1,70	78 46 25,87	3,04	—22,83	thick haze
Sep. 10	9 24 53,9	20 43 46,11	47,46	1,35	83 22 58,84	30,85	27,99	faint.
1837.								
Oct. 13	12 48 29,5	2 18 4,00	7,73	+3,73	108 25 46,49	25,58	—20,91	
16	35 32,4	15 54,80	58,13	3,33	109 14 57,40	42,43	14,97	
23	2 36,2	10 29,23	32,96	3,73	111 0 57,31	44,09	13,22	
25	11 53 7,6	8 52,42	56,21	3,79	111 28 32,49	19,07	13,42	

Apparent Right Ascension and North Polar Distance of CERES, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Sep. 12	12 1. 0,3	23 28 10,79	10,70	—0,09	110 44 57,12	48,64	— 8,48	
Oct. 1	10 31 16,5	13 7,18	7,04	—0,14	111 42 16,52	10,08	6,44	
3	22 3,4	11 45,90	45,67	—0,23	44 4,82	1,21	3,61	
6	8 21,6	9 50,94	51,04	+0,10	45 20,87	15,63	5,24	
7	3 49,8	9 14,92	14,95	+0,03	45 24,46	16,01	8,45	
8	9 59 18,8	8 40,05	39,89	—0,16	45 10,90	4,27	6,63	
1837.								
Dec. 17	11 14 40,6	4 59 17,27	18,35	+1,08	67 37 36,77	28,96	— 7,81	[obsd. at circle
18	8 45,8	57 17,05	17,87	+0,82	35 36,44	58,38	+21,94	Probably a star

Apparent Right Ascension and North Polar Distance of JUPITER, *compared with the places interpolated from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
	h. m. s.	h. m. s.	″	″	° ′ ″	″	′	
Jan. 2	12 2 22,3	6 46 57,33	57,62	+0,29	66 54 53,56	56,62	+3,06	
6	11 43 9,0	44 37,85	38 19	+0,34	51 50,89	49,94	—0,95	
7	38 38,4	44 3,14	3,55	+0,41	51 3,99	4,82	+0,83	
8	34 8,3	43 28,57	29 04	+0,47	50 20,34	20,40	+0,06	
9	29 38,4	42 54,34	54,70	+0,36	49 35,37	36,77	+1,40	
11	20 37,9	41 46,14	46,60	+0,46	48 9,87	11,62	+1,75	
13	11 39,4	40 39,09	39,48	+0,39	46 47,54	48,81	+1,27	
14	7 9,7	40 6,08	6,34	+0,26	46 8,92	8,69	—0,23	
16	10 58 12,8	39 0,08	0,72	+0,64	44 50,35	51,05	+0,70	
19	44 50,6	37 25,43	25,98	+0,55	43 3,52	0,41	—3,11	
20	40 24,0	36 54,52	55,15	+0,60	42 27,22	25,10	—2,12	
24	22 41,9	34 ——	——	——	40 12,65	12,45	—0,20	
31	9 52 6,8	31 51,27	51,39	+0,12	36 51,96	52,39	+0,43	
Feb. 1	47 46,8	31 27,27	27,50	+0,23	36 27,52	27,05	—0,47	
2	43 27,4	31 3,90	4,24	+0,34	36 0,43	2,54	+2,11	
3	39 9,4	30 41,60	41,67	+0,07	35 38,71	38,82	+0,11	
4	34 51,7	30 19,84	19,82	—0,02	35 14,70	15,81	+1.11	
5	30 34,5	29 58,75	58,68	—0,07	34 53,33	53,40	+0,07	
7	22 3,6	29 18,81	18,64	—0,17	34 11,73	11,47	—0,26	
8	17 48,5	29 0,09	59,74	—0,35	33 51,93	51,56	—0,37	
10	9 20,9	28 24,60	24,29	—0,31	33 14,51	13,83	—0,68	
11	5 8,9	28 8,03	7,74	—0,29	32 55,86	56,02	+0,16	
13	8 56 46,3	27 37,10	36,97	—0,13	32 23,25	22,58	—0.67	
14	52 36,9	27 23,24	22,86	—0,38	32 6,65	6,91	+0,26	
15	48 27,2	27 9,76	9,57	—0,19	31 53,05	51,84	—1,21	
16	44 19,0	26 57,69	57,12	—0,57	31 ——	37,47	——	
17	40 11,5	26 45,92	45,52	—0,40	31 25,73	23,61	—2,12	
18	36 5,0	26 35,06	34,76	—0,30	31 13,23	10,54	—2,69	
21	23 50,5	26 8,13	7,61	—0,52	29 37,60	35,13	—2,47	
23	15 44,9	25 54,10	53,81	—0,29	30 13,28	14,53	+1,25	

Apparent Right Ascension and North Polar Distance of JUPITER *continued.*

1836.		Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N.P.D. from N. A.	Error of N. A.	REMARKS.
		h m. s.	h. m. s.	″	″	° ′ ″	″	″	
Feb.	26	8 3 42,6	6 25 39,63	39,62	—0,01	66 29 49,59	49,03	—0,56	
	27	7 59 43,6	25 36,69	35,82	—0,87	29 40,27	40,62	+0,35	
Mar.	14	6 57 55,1	26 43,43	43,41	—0,02	28 55,84	57,65	+1,81	
	17	46 43,8	27 19,37	19,43	+0,06	29 7,25	6,15	—1,10	
	18	43 1,2	27 32,89	32,87	—0,02	29 8,25	10,16	+1,91	
	19	39 20,2	27 47,77	46,90	—0,87	———	14,88	——	
June	15	1 50 53,8	7 25 30,81	30,55	—0,26	67 40 57,52	54,34	—3,18	
Sep.	9	21 27 1,2	8 43 54,63	54,35	—0,28	71 22 44,39	42,30	—2,09	
	12	21 17 34,2	46 15,62	15,83	+0,21	32 25,11	21,51	—3,60	
	20	20 52 8,8	52 19,45	18,91	—0,54	55 14,36	13,07	—1,29	
Oct.	2	20 13 17,3	9 0 39,90	39,82	—0,08	72 27 37,17	38,85	+1,68	
	3	20 10 0,2	1 18,98	18,92	—0,06	30 13,32	10,76	—2,56	
	6	20 0 7,5	3 13,54	13,25	—0,29	37 48,45	49,23	+0,78	
	12	19 40 4,2	6 49,94	49,89	—0,05	52 14,50	15,62	+1,12	
	13	36 46,0	7 24,98	24,25	—0,73	54 35,48	35,05	—0,43	
	14	33 24,3	7 58,53	58,16	—0,37	56 50,97	50,71	—0,26	
	19	16 21,1	10 40,39	39,81	—0,58	73 7 46,61	44,83	—1,78	
1837.									
Jan.	26	12 43 19,7	9 6 49,00	48,29	—0,71	72 29 15,51	14,28	—1,23	
	27	38 52,4	6 17,72	16,93	0,79	26 51,27	50,01	1,26	
	28	34 24,4	5 46,19	45,41	0,78	24 25,75	25,70	0,05	
	29	29 57,4	5 14,30	13,76	0,54	22 1,82	1,49	0,33	
	31	21 1,9	4 10,71	10,16	0,55	17 15,35	13,57	1,78	
Feb.	2	12 7,1	3 6,95	6,31	0,64	12 32,37	27,37	5,00	
	3	7 38,2	2 35,13	34,41	0,72	10 8,34	5,06	3,28	
	4	3 10,6	2 3,31	2,53	0,78	7 46,85	43,75	3,10	
	5	11 58 42,8	1 31,10	30,68	0,42	5 24,68	22,99	1,69	
	6	54 16,4	0 59,56	58,90	0,66	3 6,13	3,13	3,00	
	7	49 46,8	0 27,79	27,21	0,58	0 44,61	44,27	0,34	
	8	45 21,5	8 59 56,18	55,64	0,54	71 58 28,37	26,51	1,86	
	9	40 53,7	59 24,85	24,20	0,65	56 9,43	10,05	+0,62	
	10	36 27,1	58 53,50	52,93	0,57	53 55,91	54,79	—1,12	
	11	31 59,2	58 22,30	21,81	0,49	51 44,00	40,93	3,07	
	12	26 26,3	57 51,39	50,97	0,42	49 28,67	28,57	0,10	
	13	23 6,8	57 21,05	20,33	0,72	47 18,95	17,80	1,15	
	14	18 39,5	56 50,52	49,80	0,72	45 9,30	8,05	1,25	
	15	14 14,9	56 20,46	19,72	0,74	43 3,05	1,60	1,45	
	17	5 22,3	55 21,05	20,49	0,56	38 53,68	52,60	1,08	
	18	0 58,4	54 52,10	51,38	0,72	36 53,07	51,05	2,02	
	19	10 56 33,7	55 23,22	22,63	0,59	34 52,83	51,59	1,24	
	20	52 9,7	55 54,95	54,26	0,69	32 52,66	54,14	+1,48	
	21	47 45,5	53 26,69	26,29	0,40	31 2,09	58,73	—3,36	
	26	24 53,7	50 13,59	13,04	0,55	21 57,26	56,45	—0,81	
	27	20 32,3	49 48,41	47,84	0,57	20 16,65	15,34	—1,31	

Apparent Right Ascension and North Polar Distance of SATURN, *compared with the places interpolated from the Nautical Almanac.*

1836.		Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P. D. from N. A.	Error of N. A.	REMARKS.
		h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
April	13	12 37 21,5	14 5 21,56	21,60	+0,04	99 48 37,10	53,39	+16,29	
	14	33 8,6	5 4,47	4,56	+0,09	47 3,42	19,93	16,51	
	15	28 55,0	4 47,23	47,45	+0,22	45 28,80	46,37	17,57	
	16	24 43,4	4 30,29	30.11	—0,18	43 54,80	12,45	17,65	
	17	20 29,0	4 12,89	13,03	+0,14	42 21,36	39,05	17,69	
	19	12 3,0	3 38,20	38,43	+0,23	39 13,78	31,83	18,05	
	20	7 49,7	3 20,97	21,09	+0,12	37 41,46	58,67	17,21	
	22	11 59 23,4	2 46,34	46.36	+0,02	35 33,45	52,55	19,10	
	23	55 9,8	2 28,86	28,99	+0,13	33 2,50	19,89	17,39	
	24	50 57,2	2 11,59	11,64	+0,05	31 27,80	47,63	19,83	
	26	42 32,7	1 36,90	36,99	+0,09	28 25,63	44,31	18,68	
	28	34 4,4	1 2,32	2,47	+0,15	25 23,37	42,69	19,32	
	29	29 50,6	0 45,15	45,28	+0,13	23 51,92	12,65	20,73	
May	1	21 25,3	0 10,91	11,14	+0,23	20 54,84	14,61	19,77	
	4	8 47,2	13 59 20,85	20,59	—0,26	16 31,82	53,49	21,67	
	5	4 35,2	59 4,03	3,94	—0,09	15 6,10	28,12	22,02	
	7	10 56 10,3	58 31,13	31,80	+0,67	12 18,97	39,91	20,94	haze.
	8	52 1,0	58 14,95	14,71	—0,24	10 59,32	17,28	17,96	
	9	47 44,9	57 58,60	58,56	—0,04	9 34,70	55,35	20,65	
	11	39 22,5	57 26,68	26.71	+0,03	6 55,93	15,19	19,26	
	15	22 38,2	56 25,19	24,98	—0,21	1 46,42	8,87	22,45	
	18	10 5,2	55 40,63	40,72	+0,09	98 58 12,24	32,98	20,74	
	19	5 55,1	55 26,35	26,39	+0,04	57 3,42	23,85	20,43	
	23	9 49 17,0	54 31,37	31,38	+0,01	52 40,93	2,13	21,20	
	28	28 34,1	53 28,28	28,32	+0,04	37 47,90	11,61	23,71	
June	10	8 35 17,1	51 17,72	17,90	+0,18	38 40,47	4,31	23,84	
	11	31 13,9	51 10,34	10,07	—0,27	38 10,83	35,73	24,90	
	12	27 9.8	51 2,68	2,58	—0,10	37 45,21	9,15	23,94	
	13	23 6,8	50 55,73	55,43	—0,30	37 22,83	44,57	21,74	
	14	19 4,4	50 48,89	48,63	—0,26	36 58,22	22,09	23,87	
	17	6 2,2	50 30,38	30,30	—0,08	36 4,61	27,24	22,63	
	20	7 52 41,2	50 15,29	15,16	—0,13	35 28,40	50,48	22,08	
	28	23 3,8	49 51,06	50,80	—0,26	35 24,73	47,10	22,37	
	30	15 9,5	49 48,69	48,13	—0,46	35 44,33	7,74	23,41	
July	2	7 16,5	49 47,61	47,41	—0,20	———	——	——	
	4	6 59 25,3	49 48,16	47,87	—0,29	———	——	——	
1837.									
Mar.	2	16 19 23,2	15 1 27,46	27,17	—0,29	104 35 48,49	6,56	18,07	
	8	15 55 26,9	1 7,60	6,15	—0,45	33 3,73	19,72	15,99	
May	1	12 11 35,7	14 49 32,50	31,85	—0,65	103 36 15,28	39,22	23,94	
	2	7 22,1	49 14,13	14,15	+0,02	34 55,87	20,41	24,54	
	3	3 8,3	47 56,67	56,42	—0,25	33 36,82	59,80	22,98	
	4	11 58 54,6	48 39,01	38,68	—0,33	32 17,72	41,39	23,67	
	11	29 19,9	46 35,43	34,94	—0,49	23 19,44	42,22	22,78	
	12	25 6,6	46 17,91	17,42	—0,49	22 4,95	26,81	21,86	
	14	16 40,0	45 43,12	42,14	—0,98	———	——	——	
	15	12 27,7	45 25,98	25,38	—0,60	———	——	——	
	30	10 9 26,3	41 23,17	22,23	—0,94	1 38,44	58,32	19,88	
July	11	7 18 13,1	35 17,05	16,77	—0.28	102 42 43,60	3,22	19,62	
Aug.	8	5 29 53,4	37 3,82	3,12	—0,70	102 58 55,10	15,56	20,46	

Apparent Right Ascension and North Polar Distance of GEORGIAN, *compared with the interpolated place from the Nautical Almanac.*

1836.	Madras Mean Time of Observation.	A. R. from Observation.	A. R. from N. A.	Error of N. A.	N. P. D. from Observation.	N. P.D. from N. A.	Error of N. A.	REMARKS
	h. m. s.	h. m. s.	″	″	° ′ ″	″	″	
Sep. 16	10 33 18,2	22 16 0,62	4,23	+3,61	101 37 29,65	21,93	— 7,72	
23	4 51,0	15 5,11	8,76	3,65	42 34,57	26,20	8,37	
Oct. 1	9 32 26,9	14 7,93	11,49	3,56	47 43,17	36,12	7,05	
3	24 22,0	13 54,96	57,39	2,43	48 53,13	46,28	6,85	
6	12 15,6	13 35,99	39,73	3,74	50 32,85	25,72	7,13	
7	8 14,2	13 30,22	33,79	3,57	51 2,40	57,20	5,20	
8	4 11,3	13 24,49	28,03	3,54	51 33,63	27,78	5,85	
10	8 56 9,4	13 13,40	16,83	3,43	52 35,21	26,44	8,77	
11	52 7,9	13 7,90	11,48	3,58	53 3,26	54,52	8,74	
12	48 6,4	13 2,60	6,30	3,70	53 29,29	21,70	7,59	
13	44 6,2	12 57,72	1,26	3,54	53 55,54	47,88	7,66	
14	40 5,3	12 52,90	56,39	3,49	54 21,03	13,06	7,97	
15	36 4,8	12 48,43	51,68	3,25	54 44,75	37,37	7,38	
1837.								
Aug. 28	12 11 20,8	22 34 28,67	32,89	+4,22	99 51 42,94	27,19	—15,75	
29	3 18,0	22 34 19,78	23,92	4,14	52 37,60	20,30	17,30	
Sep. 13	11 2 5,5	32 6,16	10,41	4,25	100 5 36,65	21,10	15,55	
14	10 58 1,0	31 57,58	1,81	4,23	6 26,69	10,88	15,81	
21	29 31,7	30 59,38	3,33	3,95	12 3,89	47,80	16,09	
22	25 27,9	30 51,50	55,27	3,77	12 49,62	33,96	15,66	
23	21 24,0	30 43,32	47,29	3,97	13 38,22	19,62	18,60	
24	17 20,3	30 35,38	39,30	3,92	14 20,42	4,78	15,64	
27	5 9,0	30 12,10	16,14	4,04	16 33,32	16,26	17,06	

Comparison of the Observed Right Ascension and North Polar Distance of the Moon, with the interpolated place from the Nautical Almanac.

1836.	Madras Mean Time.	Limb Observed.	Observed A. R. of ☽'s Centre.	A. R. from N. A.	Error of Tables.	N. or S. Limb.	Observed N. P. D. of ☽'s Centre.	N. P. D. from N. A.	Error of Tables.	REMARKS.
	h. m. s.		h. m. s.	s.	s.		° ′ ″	″	″	
Jan. 2	11 0 18,4	1	5 46 59,37	58,73	—0,64	N.	64 6 46,9	48,9	+ 2,0	
3	11 51 31,4	1	6 42 18,46	18,03	— ,43	N.	65 30 40,8	43,2	2,4	
25	5 51 46,9	1	2 7 14,75	14,92	+ ,17	S.	79 8 ——	——	——	Fl. Clds.
26	6 34 29,8	1	2 55 0,18	0,48	+ ,30	N.	74 35 ——	——	——	
27	7 18 44,8	1	3 43 21,21	21,09	— ,12	S.	69 55 ——	——	——	
28	8 5 11,4	1	4 33 52,99	52,66	— ,33	S.	66 48 21,4	18,6	— 2,8	
31	10 36 37,1	1	7 17 35,39	34,73	— ,66	N.	63 47 22,0	22,0	0,0	
Feb. 1	11 28 26,5	1	8 13 29,73	29,17	— ,56	N.	65 27 19,2	14,6	— 4,6	
2	12 20 17,1	Cent.	9 8 19,24	18,91	— ,33	N.	68 25 32,4	35,2	+ 2,8	
26	7 36 11,8	1	5 59 10,51	10,45	— ,06	S.	63 32 29,2	35,9	+ 6,7	
27	8 27 34,0	1	6 54 38,38	38,51	+ ,13	N.	63 19 7,6	7,5	— 0,1	
28	9 19 24,1	1	7 50 33,56	32,95	— ,61	N.	64 27 45,0	43,0	— 2,0	
29	10 10 40,3	1	8 45 54,09	53,31	— ,78	N.	66 57 28,7	28,3	— 0,4	
Mar. 1	11 0 38,8	1	9 39 56,50	55,57	— ,93	N.	70 42 3,9	57,9	— 6,0	
2	11 49 4,4	1	10 32 25,39	24,61	— ,78	N.	75 30 19,9	14,9	— 5,0	
3	12 38 22,4	2	11 23 40,54	39,90	— ,64	N.	81 8 28,2	27,1	— 1,1	
25	6 18 10,5	1	6 31 20,65	20,19	— ,46	N.	63 1 6,8	2,6	— 4,2	

Comparison of the Observed Right Ascension and North Polar Distance of the Moon continued.

1836.		Madras Mean Time.	Limb Observed.	Observed A. R. of ☽'s Centre.	A. R. from N. A.	Error of Tables.	N. or S. Limb.	Observed N. P. D. of ☽'s Centre.	N. P. D. from N. A.	Error of Tables.	REMARKS.
		h. m. s.		h. m. s.	s.	s.		° ′ ″	″	″	
Mar.	26	7 9 30,7	1	7 26 45,56	45,74	+0,18	N.	63 35 38,7	36,2	— 2,5	
	27	8 0 33,2	1	8 21 52,84	53,11	+ ,27	N.	65 31 14,3	7,6	— 6,7	
	28	8 50 35,2	1	9 15 59,88	59,53	— ,35	N.	68 43 42,1	38,0	— 4,1	
	29	9 39 20,5	1	10 8 47,36	46,42	— ,94	N.	73 5 16,0	14,2	— 1,8	
	30	10 26 53,2	1	11 0 23,89	23,25	— ,64	N.	78 24 41,8	40,0	— 1,8	
	31	11 13 49,9	1	11 51 24,81	24,29	— ,52	N.	84 27 46,8	43,0	— 3,8	
April.	1	12 2 9,2	Cent.	12 42 44,91	44,54	— ,37	N.	90 57 27,2	24,7	— 2,5	
	24	6 41 35,1	1	4 53 1,31	1,10	— ,21	N.	67 4 24,8	22,6	— 2,2	
	26	8 16 52,9	1	10 36 29,49	29,28	— ,21	N.	75 43 26,6	22,6	— 4,0	
	27	9 3 11,1	1	11 26 51,58	50,96	— ,62	N.	81 23 26,6	25,2	— 1,4	
	28	9 49 36,8	1	12 17 21,58	21,16	— ,42	N.	87 40 2,2	1,1	— 1,1	
	29	10 37 18,4	1	13 9 6,85	6,59	— ,26	N.	94 16 18,0	17,1	— 0,9	
	30	11 27 25,0	1	14 3 21,86	21,87	+ ,01	N.	100 59 31,1	35,1	+ 4,0	
May	26	8 25 39,3	1	12 43 33,97	33,86	— ,11	N.	91 1 44,2	43,7	— 0,5	
	28	10 4 37,5	1	14 30 45,25	44,96	— ,29	N.	103 52 9,6	11,7	+ 2,1	
July	26	10 35 18,7	1	18 54 15,57	15,50	— ,07	S.	117 1 26,9	31,1	+ 4,2	
Aug.	21	7 15 25,1	1	17 16 17,22	17,21	— ,01	N.	116 3 25,6	22,9	— 2,7	
Sep.	18	6 10 7,3	1	18 1 11,79	11,70	— ,09	N.	117 18 36,3	35,2	— 1,1	
	19	7 12 46,9	1	19 7 58,78	58,87	+ ,09	S.	117 10 9,6	9,6	0,0	
	20	8 14 24,9	1	20 13 42,79	42,76	— ,03	S.	115 4 37,2	29,0	— 8,2	
	22	10 7 26,7	1	22 14 51,33	51,80	+ ,47	S.	106 7 14,0	3,7	—10,3	
	23	10 58 6,6	1	23 9 34,23	34,64	+ ,41	S.	100 6 47,9	36,2	—11,7	
Oct.	17	5 8 37,8	1	19 54 1,84	1,91	+ ,07	S.	116 2 34,1	34,1	0,0	
	18	7 7 17,0	1	20 56 46,03	46,20	+ ,17	S.	112 45 50,6	52,4	+ 1,8	
	19	8 1 49,3	1	21 55 20,36	20,64	+ ,28	S.	108 6 2,5	57,2	— 5,3	
	20	8 52 20,8	1	22 49 54,74	54,68	— ,06	S.	102 28 12,3	6,8	— 5,5	
	21	9 39 44,0	1	23 41 20,27	20,47	+ ,20	S.	96 16 32,0	25,6	— 6,4	
	22	10 25 7,1	1	0 30 46,95	46,97	+ ,02	S.	89 52 31,4	19,4	—12,0	
Nov.	17	7 37 48,6	1	23 25 32,91	33,03	+ ,12	S.	98 15 1,9	0,5	— 1,4	
	18	3 22 54,1	1	0 14 40,50	40,53	+ ,03	S.	91 58 54,9	51,1	— 3,8	
	22	11 21 41,3	1	3 29 45,94	45,68	— ,26	N.	69 41 2,5	13,9	+11,4	
	23	12 12 28,7	2	4 22 28,07	27,28	— ,79	N.	66 1 25,7	24,5	— 1,2	
Dec.	16	7 5 57,4	1	0 47 54,87	54,56	— ,31	S.	87 30 7,8	4,0	— 3,8	
	17	7 49 25,3	1	1 35 25,93	26,02	+ ,09	S.	81 28 23,6	18,5	— 5,1	
	18	8 33 18,6	1	2 23 25,05	24,90	— ,15	S.	75 55 31,6	27,6	— 4,0	
	19	9 18 38,8	1	3 12 48,90	48,78	— ,12	S.	71 4 20,5	14,1	— 6,4	
	20	10 5 58,7	1	4 4 13,34	12,76	— ,58	S.	67 7 29,7	25,5	— 4,2	
	21	10 55 20,5	1	4 57 42,05	41,47	— ,58	N.	64 17 12,1	11,1	— 1,0	
1837.											
Jan.	17	8 51 51,2	1	4 40 18,98	19,22	+ ,24	S.	64 52 ——	——		First obs. of P. M. at Transit.
	18	9 42 6,0	1	5 34 42,28	41,53	— ,75	N.	63 0 4,6	4,4	— 0,2	
	19	10 33 19,6	1	6 29 58,78	58,09	— ,69	N.	62 24 30,5	31,6	+ 1,1	
	20	11 24 16,6	1	7 25 0,20	59,46	— ,74	N.	63 11 1,3	1,3	0,0	
	21	12 14 58,5	Cent.	8 18 40,27	39,59	— ,68	N.	65 15 43,5	42,4	— 1,1	
Feb.	12	5 58 29,5	1	3 29 5,36	5,05	— ,31	S.	69 13 13,9	12,0	— 1,9	
	13	6 47 16,4	1	4 21 51,26	51,18	— ,08	S.	65 38 27,8	27,6	— 0,2	
	14	7 37 27,3	1	5 16 7,48	7,47	— ,01	S.	63 17 21,4	25,6	+ 4,2	
	15	8 28 35,5	1	6 11 20,74	20,70	— ,04	N.	62 16 32,0	31,3	— 0,7	

Comparison of the Observed Right Ascension and North Polar Distance of the Moon continued.

1837.		Madras Mean Time.	Limb Observed.	Observed A. R. of ☽'s Centre.	A R. from N. A.	Error of Tables	N. or S. Limb.	Observed N. P. D. of ☽'s Centre.	N. P. D. from N. A.	Error of Tables.	REMARKS.
		h. m. s.		h. m. s.	s.	s.		° ′ ″	″	″	
Feb.	17	10 9 47,3	1	8 0 42,03	41,23	—0,80	N.	64 19 52,2	54,8	+ 2,6	
	18	10 57 59,8	1	8 52 57,02	56,03	—0,99	N.	67 14 26,8	33,3	+ 6,5	
	19	11 43 57,3	1	9 42 57,11	56,17	—0,94	N.	71 11 36,0	38,1	+ 2,1	
	21	13 12 9,6	2	11 17 12,90	12,48	—0,42	S.	81 24 14,3	15,5	+ 1,2	
Mar.	16	8 3 57,0	1	7 40 57,83	57,89	+0,06	N.	63 23 17,2	20,5	+ 3,3	
	17	8 52 53,3	1	8 33 57,39	57,20	—0,19	N.	65 53 53,0	56,3	+ 3,3	
	18	9 39 37,2	1	9 24 43,98	43,42	—0,56	N.	69 31 2,7	7,1	+ 4,4	
	19	10 24 12,7	1	10 13 22,10	21,47	—0,63	N.	74 3 37,1	43,7	+ 6,6	
	20	11 7 8,8	1	11 0 20,55	19,74	—0,81	N.	79 19 49,5	53,0	+ 3,5	
	21	11 50 11,2	Cent.	11 46 25,71	25,25	—0,46	N.	85 7 34,6	33,8	— 0,8	
	27	16 40 26,1	2	16 59 56,80	56,90	+0,10	S.	116 27 35,0	39,0	+ 4,0	
	28	17 41 12,7	2	18 4 47,48	47,48	0,00	N.	117 57 51,8	62,2	+10,4	
April	16	9 1 55,9	1	10 41 15,14	14,46	—0,68	N	77 1 52,5	58,8	+ 6,3	
	18	10 26 3,7	1	12 13 29,11	28,72	—0,39	N.	88 39 41,5	49,3	+ 7,8	
	19	11 8 56,4	1	13 0 25,89	25,54	—0,35	N.	94 53 31,2	34,0	+ 2,8	
	20	11 54 58,4	Cent.	13 49 30,37	30,13	—0,24	N.	101 3 51,6	58,5	+ 6,9	
May	15	8 19 29,3	1	11 53 0,02	59,85	—0,17	N.	85 58 56,8	59,5	+ 2,7	
	16	9 1 25,6	1	12 39 1,46	0,90	—0,56	N.	92 5 38,7	39,7	+ 1,0	
	17	9 45 9,5	1	13 26 49,63	49,28	—0,35	N.	98 17 54,1	58,9	+ 4,8	
	23	15 31 19,2	2	19 35 20,52	19,81	—0,71	N.	116 50 31,4	27,2	— 4,2	
	24	16 32 30,4	2	20 40 39,71	39,79	+0,08	N.	113 42 21,6	20,4	— 1,2	
June	12	6 54 46,7	1	12 18 27,25	27,19	—0,06	N.	89 31 ——	——	——	
	13	7 36 42,6	1	13 4 28,07	27,65	—0,42	N.	95 35 16,3	19,1	+ 2,8	
	14	8 21 9,4	1	13 53 0,74	0,17	—0,57	N.	101 36 45,3	50,2	+ 4,9	
	15	9 9 32,9	1	14 45 31,34	30,39	—0,95	N.	107 17 52,1	59,7	+ 7,6	
	21	15 20 43,3	2	21 19 5,85	5,40	—0,45	S.	110 13 35,4	34,3	— 1,1	
	23	17 6 44,8	2	23 13 23,90	23,61	—0,29	N	98 49 16,2	13,2	— 3,0	
	24	17 54 13,7	2	0 4 58,50	58,21	—0,29	N.	92 9 9,5	56,5	—13,0	
July	11	6 13 37,6	1	13 31 33,52	33,23	—0,29	N.	99 16 36,9	30,8	— 6,1	
	13	7 48 37,9	1	15 14 48,14	47,83	—0,31	N.	110 10 32,4	36,6	+ 4,2	
	14	8 44 2,5	1	16 14 21,48	21,01	—0,47	N.	114 24 45,7	49,3	+ 3,6	
	15	9 45 12,7	1	17 19 44,06	43,79	—0,27	N.	117 10 38,9	45,9	+ 7,0	
	16	10 50 48,2	1	18 29 25,21	25,01	—0,20	S.	117 58 20,3	26,9	+ 6,6	
Aug.	8	4 53 31,4	1	14 1 38,78	38,65	—0,13	N.	103 8 1,9	5,5	+ 3,6	
	9	5 40 3,3	1	14 52 16,95	16,65	—0,30	N.	108 25 22,9	19,1	— 3,8	
	10	6 31 21,7	1	15 47 43,47	43,70	+0,23	N.	112 57 32,4	38,8	+ 6,4	
	11	7 28 12,2	1	16 48 42,95	42,95	0,00	N.	116 18 50,5	55,1	+ 4,6	
	12	8 30 10,4	1	17 54 50,04	49,96	—0,08	S.	118 0 27,2	38,9	+11,7	
	13	9 35 15,1	1	19 44 2,60	2,77	+0,17	S.	117 39 1,5	3,2	+ 1,7	
	20	16 2 55,2	2	1 58 2,48	2,23	—0,25	N.	77 10 54,9	56,4	+ 1,5	
	21	16 51 39,0	2	2 50 50,84	50,59	—0,25	N.	71 36 54,3	51,1	— 3,2	
	22	17 41 45,2	2	3 44 58,30	58,79	+0,49	N.	67 8 16,7	14,6	— 2,1	
Sep.	9	7 19 5,6	1	18 33 56,93	56,84	—0,09	S.	118 14 38,6	33,2	— 5,4	
	12	10 22 39,3	1	21 49 46,48	46,46	—0,02	S.	107 53 25,8	17,5	— 8,3	
	13	11 17 38,4	1	22 48 49,50	49,61	+0,11	S.	101 25 42,4	40,5	— 1,9	
	14	12 11 52,7	2	23 44 54,88	54,89	+0,01	N.	94 17 35,6	26,5	— 9,1	
	15	13 1 52,5	2	0 39 0,32	0,37	+0,05	N.	87 1 49,0	37,8	—11,2	
	16	13 51 13,6	2	1 32 26,80	26,80	0,00	N.	80 5 58,0	43,6	—14,4	
	17	14 41 4,8	2	2 26 21,28	21,07	—0,21	N.	73 53 34,2	28,3	— 5,9	
	18	15 32 8,8	2	3 21 29,36	29,20	—0,16	N.	68 44 19,0	13,0	— 6,0	

Comparison of the Observed Right Ascension and North Polar Distance of the Moon continued.

1837.	Madras Mean Time.	Limb Observed.	Observed A. R. of ☽'s Centre.	A. R. from N. A.	Error of Tables.	N. or S. Limb.	Observed N. P. D. of ☽'s Centre.	N.P.D. from N. A.	Error of Tables.	REMARKS.
	h. m. s.		h. m. s.	s.	s.		° ′ ″	″	″	
Sep. 19	16 24 41,1	2	4 18 6,05	5,76	—0,29	N.	64 53 5,1	56,2	— 8,9	
20	17 18 17,3	2	5 15 47,13	46,89	—0,24	N.	62 29 37,8	35,7	— 2,1	
Oct. 9	8 10 17,9	1	21 23 30,59	30,90	+0,31	S.	110 22 37,4	34,4	— 3,0	
10	9 4 50,6	1	22 22 6,68	6,25	—0,43	S.	104 34 14,6	3,7	—10,9	
12	10 46 17,3	1	0 11 41,71	41,41	—0,30	S.	90 42 42,6	36,0	— 6,6	
13	11 35 26,4	1	1 4 54,41	54,50	+0,09	S.	83 35 17,4	10,1	— 7,3	
Nov. 6	6 58 41,0	1	22 2 3,49	3,23	—0,26	S.	106 40 57,1	53,6	— 3,5	
7	7 49 34,2	1	22 56 59,54	59,40	—0,14	S.	100 26 36,5	37,3	+ 0,8	
Dec. 16	15 54 22,6	2	9 34 45,03	44,25	—0,78	S.	70 56 54,3	55,3	+ 1,0	

On looking over the observations of the last seven years; there have I find been a few observations of the Transit of both limbs of the Moon over the Meridian, which, in the former volumes of the Madras Results I had omitted; they are as follows.

Date.	Madras Mean Time	Sidereal Time of ☾'s Diam. passing
1831	h. m. s.	m. s.
February 26	12 17 48,7	2 7,48
April 26	11 53 47,9	3,06
May 26	12 5 34,1	7,80
September 21	11 51 30,6	12,48
1833		
May 3	11 49 32,2	14,26
July 1	11 50 39,6	15,70
1834		
February 23	12 15 27,8	23,48
1835		
March 14	12 9 11,4	18,16
April 13	12 30 47,8	20,02
May 12	12 6 2,7	26,62
June 10	11 46 29,1	31,68
1836		
February 2	12 20 17,1	15,68
April 1	12 2 9,2	13,16
1837		
January 21	12 14 45,5	14,70
March 21	11 50 11,2	5,32
April 20	11 54 58,4	12,08

In addition to the above,—observation of the Moon, and of several stars culminating near to her *(Moon culminating Stars)*, have been made, as follows.

Moon Culminating Stars.

1836.	Names.	Observed Transit.	1836.	Names.	Observed Transit.
		h. m. s.			*h. m. s.*
Jan. 2	ζ Tauri	5 29 13,01	March 2	Moon 1st Limb	10 29 33,14
	c ——	5 44 23,67		n Leonis	11 5 29,57
	Moon 1st Limb	5 47 15,50		ι ——	11 13 35,05
	μ Geminor.	6 14 24,52	3	n Leonis	11 5 24,89
3	μ ——	6 14 25,66		ι ——	11 13 30,22
	Moon 1st Limb	6 42 35,02		Moon 2nd Limb	11 22 50,81
25	Moon 1st Limb	2 7 8,55	25	Moon 1st Limb	6 29 4,45
	38 Arietis	2 35 55,38		δ Geminor.	7 9 10,07
	π ——	2 40 2,41		ι ——	7 15 22,75
26	38 ——	2 35 47,93	26	δ ——	7 9 6,03
	π ——	2 39 54,60		ι ——	7 14 18,59
	Moon 1st Limb	2 53 44,84		Moon 1st Limb	7 24 25,30
	η Tauri	3 37 30,60		6 Cancri	7 52 12,86
27	η ——	3 37 24,78		λ ——	8 9 33,42
	Moon 1st Limb	3 41 58,60	27	6 ——	7 52 8,63
	ε Tauri	4 18 42,89		λ ——	8 9 29,20
28	δ¹ ——	4 13 7,20		Moon 1st Limb	8 19 29,62
	ε ——	4 18 40,86		ξ Cancri	8 58 37,92
	Moon 1st Limb	4 32 26,88		q ——	9 8 32,11
31	τ Geminor.	7 0 16,26	28	Moon 1st Limb	9 13 32,27
	δ ——	7 9 54,75	29	η Leonis	9 56 57,56
	Moon 1st Limb	7 16 3,47		Moon 1st Limb	10 6 16,16
	φ Geminor.	7 43 2,67		γ Leonis	10 9 29,95
	6 Cancri	7 53 1,65	30	k ——	10 36 13,85
Feb. 1	φ Geminor.	7 43 0,29		Moon 1st Limb	10 47 48,80
	6 Cancri	7 52 59,29		υ Virginis	11 35 55,71
	Moon 1st Limb	8 11 55,77		b ——	11 50 2,89
	ξ Cancri	8 59 28,24	31	υ ——	11 35 50,90
2	ξ ——	8 58 25,24		Moon 1st Limb	11 48 45,11
	Moon Cent.	9 7 49,79		b Virginis	11 49 58,01
26	c Tauri	5 41 38,08		c ——	12 10 26,53
	Moon 1st Limb	5 56 40,18		γ¹ ——	12 31 46,41
	ε Géminor.	6 32 26,57	April 1	c ——	12 10 21,61
27	ε ——	6 32 22,59		γ¹ ——	12 31 41,49
	Moon 1st Limb	6 52 3,55		Moon Cent.	12 40 33,93
28	φ Geminor.	7 41 55,38		α Virginis	13 14 53,68
	Moon 1st Limb	7 47 54,28		m ——	13 31 20,80
	η Cancri	8 21 41,19	24	Moon 1st Limb	8 53 33,70
	γ ——	8 23 15,22		λ Leonis	9 23 59,84
29	η ——	8 21 36,24		ψ ——	9 36 26,37
	γ ——	8 32 10,50	26	γ ——	10 12 44,47
	Moon 1st Limb	8 43 10,41		ρ ——	10 23 59,39
	λ Leonis	9 20 44,34		Moon 1st Limb.	10 37 14,02
March 1	λ ——	9 20 39,32	27	σ Leonis	11 14 35,98
	Moon 1st Limb	9 37 8,50		τ ——	11 21 25,43
	γ Leonis	10 9 13,46		Moon 1st Limb	11 27 42,33
	ρ ——	10 23 28,33		o Virginis	11 58 46,87
2	γ ——	10 9 8,38		η ——	12 13 26,73
	ρ ——	10 22 23,21	28	o ——	11 58 52,81

1836.	Names.	Observed Transit.
		h. m. s.
April 28	η Virginis	12 13 32,73
	Moon 1st Limb	12 18 18,26
	δ Virginis	12 49 22,75
	θ ——	13 3 30,02
29	δ ——	12 49 28,55
	θ ——	13 3 35,85
	Moon 1st Limb	13 10 8,52
	k Virginis	14 6 17,56
	ι ——	14 9 33,62
30	Moon 1st Limb	14 4 27,03
	ι Virginis	14 9 38,84
	α^2 Libræ	14 44 2,77
	ξ^2 ——	14 50 6,46
May 26	γ^1 Virginis	12 32 50,72
	Moon 1st Limb	12 41 58,73
28	k Virginis	14 3 30,03
	λ ——	14 9 35,47
	Moon 1st Limb	14 28 56,56
	ι^1 Libræ	15 2 13,83
	γ^1 ——	15 25 42,39
July 26	λ Sagittarii	18 17 10,77
	σ ——	18 44 25,29
	Moon 1st Limb	18 52 17,82
	59 Sagittarii	19 46 12,30
	c ——	19 51 53,71
Aug. 21	θ Ophiuchi	17 11 38,30
	Moon 1st Limb	17 14 44,29
Sep. 18	λ Sagittarii	18 17 33,19
	γ^2 ——	17 55 20,02
	Moon 1st Limb	17 59 0,75
19	σ Sagittarii	18 45 8,33
	ζ ——	18 52 13,07
	Moon 1st Limb	19 6 46,20
20	Moon 1st Limb	20 12 29,35
22	ι Aquarii	21 57 31,05
	θ ——	22 8 6,97
	Moon 1st Limb	22 13 38,00
23	δ Aquarii	23 45 50,72
	φ ——	23 5 43,78
	Moon 1st Limb	23 8 20,36
Oct. 17	h^2 Sagittarii	19 25 31,58
	c ——	19 51 22,53
	Moon 1st Limb	19 51 36,35
	ψ Capricorni	20 35 11,38
	η ——	20 54 52,59
18	ψ ——	20 35 11,16
	Moon 1st Limb	20 54 22,65
	δ Capricorni	21 36 47,84
19	γ ——	21 29 47,86
	δ ——	21 36 47,08
	Moon 1st Limb	21 52 58,74
	τ^2 Aquarii	22 39 42,49
	δ ——	22 44 44,72
20	τ^2 ——	22 39 40,93

1836.	Names.	Observed Transit.
		h. m. s.
Oct. 20	δ Aquarii	22 44 43,27
	Moon 1st Limb	22 47 33,67
	n Piscium	23 38 17,48
21	ψ^3 Aquarii	23 9 11,17
	Moon 1st Limb	23 38 59,61
22	t Piscium	0 15 44,06
	Moon 1st Limb	0 28 25,60
	e Piscium	0 58 39,88
Nov. 17	φ Aquarii	23 4 46,89
	ψ^3 ——	23 9 22,71
	Moon 1st Limb	23 23 24,05
	t Piscium	0 15 57,44
18	Moon 1st Limb	0 12 36,69
	m Ceti	0 43 39,31
	ε Piscium	0 53 27,76
22	Moon 1st Limb	0 27 45,62
	A^1 Tauri	3 54 8,14
	ω^2 ——	4 6 47,09
23	A^1 ——	3 54 9,23
	ω^2 ——	4 6 48,21
	Moon 2nd Limb	4 23 38,42
Dec. 16	m Ceti	0 43 42,30
	Moon 1st Limb	0 45 54,53
17	μ Piscium	1 20 35,09
	γ ——	1 31 53,72
	Moon 1st Limb	1 33 20,55
	ξ^1 Ceti	2 3 18,59
	ξ^2 ——	2 18 26,47
18	ξ^1 ——	2 3 14,95
	ξ^2 ——	2 18 22,81
	Moon 1st Limb	2 21 15,27
	ε Arietis	2 48 47,25
19	δ ——	3 1 8,78
	Moon 1st Limb	3 10 34,98
20	A^1 Tauri	3 53 50,16
	Moon 1st Limb	3 1 54,25
	ω^2 Tauri	4 6 29,17
21	τ ——	4 31 10,42
	Moon 1st Limb	4 55 17,94
1837		
Jan. 17	Moon 1st Limb	4 40 24,70
18	β Tauri	5 17 1,95
	ζ ——	5 28 56,52
	Moon 1st Limb	5 34 37,42
19	k Aurigæ	6 5 58,19
	μ Geminor.	6 14 4,46
	Moon 1st Limb	6 29 50,14
	δ Geminor.	7 11 21,60
	α^2 ——	7 25 10,10
20	δ ——	7 11 18,54
	Moon 1st Limb	7 24 48,93
	6 Cancri	7 54 25,57
21	Moon Cent.	8 19 32,79
	ρ^4 Cancri	8 46 46,70
	ξ ——	9 0 52,11

1837.	Names.	Observed Transit.
		h. m. s.
Feb. 13	ω^2 Tauri	4 8 18,97
	υ^1 ——	4 17 9,52
	Moon 1st Limb	4 21 21,24
	n Tauri	5 10 5,32
14	ι ——	4 53 57,88
	n ——	5 10 5,82
	Moon 1st Limb	5 15 37,09
	c Tauri	5 43 42,76
	η Geminor	6 5 39,08
15	c Tauri	5 43 42,05
	η Geminor	6 5 39,37
	Moon 1st Limb	6 10 50,37
	ε Geminor	6 34 31,45
17	β ——	7 35 57,51
	ϕ ——	7 44 8,44
	Moon 1st Limb	8 0 13,00
	δ Cancri	8 36 2,36
	ρ^4 ——	8 46 30,95
18	δ ——	8 36 2,18
	ρ^4 ——	8 46 30,55
	Moon 1st Limb	8 52 29,17
	λ Leonis	9 23 2,01
	o ——	9 33 4,26
19	λ ——	9 23 2,24
	o ——	9 33 4,35
	Moon 1st Limb	9 42 30,76
	γ Leonis	10 11 36,36
21	χ ——	10 57 15,45
	ι ——	11 16 4,41
	Moon 2nd Limb	11 18 51,23
	o Virginis	11 57 33,16
Mar. 16	Moon 1st Limb	7 39 57,32
17	λ Cancri	8 9 52,44
	ϕ^2 ——	8 15 57,80
	Moon 1st Limb	8 31 53,89
	ξ Cancri	8 59 1,28
	q ——	9 8 54,95
18	ξ ——	8 58 57,76
	q ——	9 8 51,64
	Moon 1st Limb	9 22 38,51
19	π Leonis	9 50 30,56
	α ——	9 58 35,96
	Moon 1st Limb	10 11 13,53
	k Leonis	10 36 41,88
	c ——	10 51 12,55
20	k ——	10 36 37,58
	c ——	10 51 8,22
	Moon 1st Limb	10 58 8,36
	υ Leonis	11 27 26,64
	β Virginis	11 41 2,66
21	υ Leonis	11 27 22,94
	β Virginis	11 41 59,06
	Moon Cent.	11 45 11,15
	η Virginis	12 10 20,88

1837.	Names.	Observed Transit.
		h. m. s.
Mar. 27	α Scorpii	16 17 44,87
	τ ——	16 24 4,09
	Moon 2nd Limb	16 59 26,51
	p Sagittarii	17 35 37,07
28	p ——	17 35 31,34
	γ^2 ——	17 53 33,06
	Moon 2nd Limb	18 4 12,64
April 16	Moon 1st Limb	10 39 5,00
	n Leonis	11 6 12,96
	τ ——	11 18 26,08
18	o Virginis	11 55 43,62
	Moon 1st Limb	12 11 15,79
	γ Virginis	12 32 13,62
	δ ——	12 46 13,03
19	γ^1 ——	12 32 11,79
	δ ——	12 46 11,28
	Moon 1st Limb	12 58 9,91
	α Virginis	13 15 24,48
	ζ ——	13 25 11,10
20	α ——	13 15 22,97
	ζ ——	13 25 9,92
	Moon Cent.	13 48 14,95
	λ Virginis	14 9 3,90
25	Moon 2nd Limb	14
May 15	ξ^1 Virginis	11 36 37,63
	β ——	11 41 57,00
	Moon 1st Limb	11 51 42,59
16	η Virginis	12 11 15,91
	Moon 1st Limb	12 37 40,40
	θ Virginis	13 1 12,96
	α ——	13 16 18,64
17	θ ——	13 1 10,30
	α ——	13 16 16,25
	Moon 1st Limb	13 25 24,35
	k Virginis	14 3 52,11
	λ ——	14 9 57,23
23	h^2 Sagittarii	19 26 10,72
	Moon 2nd Limb	19 35 54,80
24	ψ Capricorni	20 35 46,51
	Moon 2nd Limb	20 41 9,58
June 12	Moon 1st Limb	12 15 52,27
	κ Virginis	12 29 16,90
	δ ——	12 45 50,32
13	Moon 1st Limb	13 1 48,38
	α Virginis	13 15 0,38
14	α ——	13 14 57,47
	Moon 1st Limb	13 50 15,90
	λ Virginis	14 8 38,76
	α^2 Libræ	14 40 13,12
15	λ Virginis	14 8 35,54
	Moon 1st Limb	14 42 40,48
	γ Libræ	14 52 50,45
	β ——	15 6 32,22
21	ψ Capricorni	20 34 25,13

Moon Culminating Stars.

1837	Names.		Observed Transit.
			h. m. s.
June 21	ζ Capricorni		21 15 20,04
	Moon	2nd Limb	21 18 12,62
	ι Aquarii		21 55 36,10
23	Moon	2nd Limb	23 14 4,70
24	τ Piscium		23 53 7,21
	Moon	2nd Limb	0 5 32,47
	ι Ceti		0 10 38,41
July 11	α Virginis		13 15 14,62
	Moon	1st Limb	13 29 7,87
	Virginis		14 2 50,67
	λ ——		14 8 56,14
13	α^2 Libræ		14 40 24,09
	20 ——		14 53 4,61
	Moon	1st Limb	15 12 10,60
	π Scorpii		15 47 32,52
	β^1 ——		15 54 30,36
14	π ——		15 47 29,08
	β^1 ——		15 54 26,86
	Moon	1st Limb	16 11 37,00
	A Ophiuchi		17 3 49,01
	θ ——		17 10 29,43
15	A ——		17 4 37,25
	θ ——		17 10 25,03
	Moon	1st Limb	17 16 52,42
	γ^2 Sagittarii		17 54 45,23
	δ ——		18 8 58,36
16	γ^2 ——		17 53 40,77
	δ ——		18 8 53,95
	Moon	1st Limb	18 26 27,22
	τ Sagittarii		18 55 5,88
Aug. 8	Moon	1st Limb	14 0 11,98
	α^2 Libræ		14 41 29,89
	20 ——		14 54 10,36
9	α^2 ——		14 41 28,15
	Moon	1st Limb	14 50 45,90
	20 Libræ		14 54 8,74
	k Libræ		15 32 10,20
	b Scorpii		15 40 47,71
10	k Libræ		15 32 8,93
	b Scorpii		15 40 46,35
	Moon	1st Limb	15 46 8,07
	α Scorpii		16 19 0,73
	τ ——		16 25 20,17
11	α ——		16 18 59,27
	τ ——		16 25 18,69
	Moon	1st Limb	16 47 2,86
	θ Ophiuchi		17 11 34,35
	γ^2 Sagittarii		17 54 55,80
12	θ Ophiuchi		17 11 32,77
	Moon	1st Limb	17 53 6,26
	γ^2 Sagittarii		17 54 53,40
	φ ——		18 35 1,31
	σ ——		18 44 42,38
13	φ Sagittarii		18 35 59,71

1837	Names.		Observed. Transit.
			h. m. s.
Aug. 13	Moon	1st Limb	19 2 16,36
20	o Piscium		1 36 8,09
	γ^1 Arietis		1 43 56,18
	Moon	2nd Limb	1 58 25,88
	ε Arietis		2 49 14,24
21	π ——		2 39 30,21
	Moon	2nd Limb	2 51 12,53
	g Arietis		3 13 59,28
	η Tauri		3 37 5,83
22	g Arietis		3 13 58,30
	η Tauri		3 37 4,87
	Moon	2nd Limb	3 45 20,55
	υ^1 Tauri		4 15 50,06
23	Moon	2nd Limb	4 40 57,52
Sep. 9	λ Sagittarii		18 16 48,50
	Moon	1st Limb	18 31 34,67
	π Sagittarii		18 58 57,58
	h^2 ——		19 25 40,86
12	ζ Capricorni		21 16 9,59
	δ ——		21 36 50,65
	Moon	1st Limb	21 47 21,92
13	σ Aquarii		22 20 46,81
	δ ——		22 44 45,77
	Moon	1st Limb	22 46 24,36
14	ψ^3 Aquarii		23 9 12,22
	n Piscium		23 38 17,04
	Moon	2nd Limb	23 44 41,56
	n Ceti		0 20 26,43
	δ Piscium		0 38 57,03
15	n Ceti		0 20 24,07
	Moon	2nd Limb	0 38 43,56
	μ Piscium		1 20 19,36
	ν ——		1 31 37,50
16	μ ——		1 20 16,30
	Moon	2nd Limb	1 32 6,86
	ξ^1 Ceti		2 2 59,07
	ν Arietis		2 28 11,46
17	ξ^1 Ceti		2 2 57,53
	Moon	2nd Limb	2 26 0,30
	δ^1_1 Arietis		3 0 54,49
	g ——		3 13 17,10
18	δ ——		3 0 52,99
	g ——		3 13 15,34
	Moon	2nd Limb	3 21 7,74
	A^1 Tauri		3 53 37,56
	υ^1 ——		4 15 7,11
19	A^1 Tauri		3 53 35,70
	υ^1 ——		4 14 5,41
	Moon	2nd Limb	4 17 43,20
	ν Tauri		4 51 51,07
	β ——		5 14 30,80
20	β ——		5 14 29,09
	Moon	2nd Limb	5 15 22,79
	c Tauri		5 41 34,29

1837.	Names.	Observed Transit.	1837.	Names.	Observed Transit.
		h. m. s.			h. m. s.
Sept. 21	C Tauri	5 41 32,93	Oct. 13	Piscium	1 20 46,00
	k Aurigæ	6 3 27,21		γ^1 Arietis	1 42 35,69
	Moon 2nd Limb	6 13 7,87	Nov. 6	ϵ Capricorni	21 24 42,45
	ϵ Geminor.	6 32 21,52		δ ——	21 34 47,74
Oct. 9	η Capricorni	20 53 10,90		Moon 1st Limb	21 57 38,79
	ζ ——	21 15 24,88		δ Aquarii	22 18 46,53
	Moon 1st Limb	21 20 21,67		λ ——	22 40 52,00
	ι Aquarii	21 55 41,35	7	σ ——	22 18 45,02
	θ ——	22 6 17,27		λ ——	22 40 50,69
10	θ ——	22 6 16,07		Moon 1st Limb	22 52 34,96
	Moon 1st Limb	22 18 58,34		n Piscium	23 36 18,13
	λ Aquarii	22 42 8,91	Dec. 14	α^2 Geminor.	7 23 21,05
	ψ^3 ——	23 8 31,28		k ——	7 33 45,12
12	n Piscium	23 37 34,20		Moon 2nd Limb	7 51 25,51
	τ ——	23 51 36,41		ϕ^2 Cancri	8 16 4,23
	Moon 1st Limb	0 8 33,43	16	q Cancri	9 8 56,45
	* Piscium	0 37 50,63		λ Leonis	9 21 28,49
	ϵ ——	0 52 29,60		Moon 2nd Limb	9 34 47,51
13	* ——	0 37 50,12		α Leonis	9 58 2,27
	ϵ ——	0 52 29,12		γ ——	10 10 2,15
	Moon 1st Limb	1 1 45,73			

OBSERVATION OF THE ECLIPSES OF JUPITER'S SATELLITES *in the Years* 1836 *and* 1837.

1836.	Satellite.	Im. or Em.	Telescope.	Power.	Madras Mean Time.	Remarks.
					h. m. s.	
Jan. 27	II	Emersion.	5 feet.	110	8 10 54,3	
Feb. 1	I	Emersion.	5 feet.	150	7 56 28,3	
3	II	Emersion.	5 feet.	110	10 47 15,9	
15	I	Emersion.	42 inches.	75	11 46 49,6	
27	III	Immersion.	5 feet.	110	6 35 20,4	
27	III	Emersion.	5 feet.	110	9 48 27,2	
28	II	Emersion.	42 inches.	75	8 0 22,6	
Mar. 2	I	Emersion.	5 feet.	110	10 5 27,8	
5	III	Immersion.	5 feet.	110	10 32 57,9	
6	II	Emersion.	5 feet.	110	10 33 14,3	
9	I	Emersion.	5 feet.	110	12 0 59,1	
18	I	Emersion.	5 feet.	150	8 25 15,6	
25	I	Emersion.	5 feet.	110	10 20 41,6	Moon near the Planet.
29	IV	Emersion.	5 feet.	150	8 39 35,8	
31	II	Emersion.	5 feet.	150	7 41 19,2	
April 10	I	Emersion.	5 feet.	110	8 40 40,3	
10	III	Emersion.	5 feet.	110	9 53 28,6	
17	III	Immersion.	5 feet.	110	10 33 49,7	Planet low. Clear—observation satisfactory.

1836.		Satellite.	Im. or Em.	Telescope.	Power.	Madras Mean Time.	Remarks.
						h. m. s.	
April	17	I	Emersion.	5 feet.	110	10 36 54,2	Planet low. Clear observation satisfactory.
May	19	I	Emersion.	42 inches.	75	7 17 1,7	
Oct.	12	II	Immersion.	5 feet.	480	15 49 2,9	
	13	III	Immersion.	42 inches.	75	14 13 5,6	
Nov.	6	II	Immersion.	42 inches.	75	12 49 10,1	
	25	III	Immersion.	5 feet.	110	14 1 23,6	
	25	III	Emersion.	5 feet.	110	17 32 11,7	
Dec.	1	I	Immersion.	5 feet.	110	15 47 30,0	
	5	IV	Emersion.	5 feet.	110	16 8 20,6	
	10	I	Immersion.	5 feet.	110	12 8 40,6	
	17	I	Immersion.	5 feet.	110	14 2 39,6	
	26	I	Immersion.	5 feet.	110	10 24 13,6	
1837.							
Jan.	9	I	Immersion.	5 feet.	110	14 9 37,3	
	11	I	Immersion.	5 feet.	60	8 38 7,8	Unsatisfactory; planet near the horizon.
Feb.	10	I	Emersion.	5 feet.	110	12 57 20,5	
	10	II	Emersion.	5 feet.	110	14 49 40,0	Dew rapidly deposited on the O. G.
	12	I	Emersion.	5 feet.	110	7 25 50,4	good observation.
	12	III	Emersion.	5 feet.	110	13 13 43,5	good observation.
	17	I	Emersion.	5 feet.	110	14 51 6,9	very good obs.
	19	I	Emersion.	42 inches.	75	9 19 35,3	The proximity of the Moon unfavorable.
	21	II	Emersion.	5 feet.	110	6 44 31,3	very good obs.
	26	I	Emersion.	5 feet.	110	11 14 2,1	good observation.
	27	IV	Emersion.	5 feet.	110	10 13 58,6	
Mar.	7	I	Emersion.	5 feet.	110	7 36 53,9	good observations.
	7	I	Emersion.	42 inches.	70	7 36 54,9	
	7	II	Emersion.	5 feet.	110	11 58 36,2	good observations.
	7	II	Emersion.	42 inches.	70	11 58 41,2	
	7	I	Emersion.	5 feet.	70	9 31 24,3	good observations.
	7	I	Emersion.	42 inches.	110	9 31 31,3	
	14	II	Emersion.	42 inches.	110	14 35 48,1	good observation.
	20	III	Emersion.	5 feet.	110	9 8 18,6	
	21	I	Emersion.	5 feet.	110	11 25 48,7	
	25	II	Emersion.	5 feet.	60	6 32 54,2	good observation.
	27	III	Emersion.	5 feet.	60	13 5 26,4	haze.
	28	I	Emersion.	5 feet.	60	13 20 21,1	haze,—planet low.
April	1	II	Emersion.	5 feet.	60	9 8 53,2	very good obs.
	6	I	Emersion.	5 feet.	60	9 43 31,4	
	18	IV	Immersion.	5 feet.	110	11 36 54,2	
	22	I	Emersion.	5 feet.	60	8 2 39,4	
	29	I	Emersion.	5 feet.	140	9 58 5,3	very good obs.

1837.		Satellite.	Im. or Em.	Telescope.	Power.	Madras Mean Time.	REMARKS.
						h. m. s.	
May	2	III	Emersion.	5 feet.	110	9 4 27,5	
	3	II	Emersion.	5 feet.	110	1 54 30,2	
	5	IV	Emersion.	5 feet.	110	10 22 45,2	
	9	III	Immersion.	5 feet.	110	9 31 17,1	
	15	I	Emersion.	5 feet.	100	8 15 59,4	
Dec.	16	II	Immersion.	5 feet.	60	16 24 5,3	
	17	III	Immersion.	5 feet.	110	12 47 22,4	
	17	III	Emersion.	5 feet.	110	16 12 8,2	
	29	I	Immersion.	5 feet.	110	13 25 8,3	

Occultation of Stars by the Moon.

			Madras Mean Time.
1836			h. m. s.
March	23	Immersion of *Tauri* behind the Moon's dark limb, observed with 5 feet Achromatic power 60..... at	8 6 32,7
Oct.	13	Immersion of *δ Scorpii* behind the Moon's dark limb, observed with 5 feet Achromatic power 110.....at	6 32 41,3
	15	Immersion of a star in *Sagittarius* behind the Moon's dark limb, observed with 42 inch, power 75.....at	6 48 19,1
1837			
Jan.	4	Immersion of A *Ophiuchi* behind the Moon's enlightened limb, observed with 5 feet Achromatic power 110.....at	17 42 39,5
March	9	Immersion of *o Piscium* behind the Moon's dark limb, observed with 5 feet Achromatic power 110.....at	6 59 34,3
	*10	Immersion of a small star behind the Moon's dark limb, observed with 5 feet Achromatic power 110.....at	7 6 37,0
	†11	Immersion of a small star behind the Moon's dark limb, observed with 5 feet Achromatic power 60 ..... at	8 48 15,5
April	12	Immersion of *v Geminorum* behind the Moon's dark limb, observed with 5 feet Achromatic power 110..... at	10 10 19,7

LUNAR ECLIPSES.

Observation of the Eclipse of the Moon on the 24th October 1836.

	Madras Mean Time.
	h. m. s.
Beginning of the Eclipse.....	6 0 37,9
End of the Eclipse.....	7 15 25,7

* I was watching the approach of this star to the Moon's dark border, when my atttention was arrested by the appearance of a nebulosity, about as bright as a star of the 6th magnitude,—situated upon the Moon's disc, at about 4 minutes from the unenlightened edge;—on referring to a chart of the Moon, the phenomenon evidently proceeded from the spot Aristarchus; I have frequently looked for this appearance during the early age of the Moon, but have never before seen any thing to compare with the brilliancy which I have this evening witnessed.

† The same appearance coutinues.

The state of the air was unfavorable for accurate observations, in consequence of which, these times are little to be depended upon. Observed with 5 feet Achromatic power 60.

Observation of the Eclipse of the Moon on the 20th April 1837.

	Madras Mean Time. h.	m.	s.
Beginning of the Eclipse	11	10	50,6
Touches Grimaldus		12	30,3
Covers do.		13	53,1
Covers Gallilius		17	36,5
Covers Aristarchus		28	3,8
Touches Tycho		34	51,7
Covers do.		35	46,5
Touches Plato		48	56,3
Covers do.		50	16,1
No. 28 disappeared		52	53,7
Censorinus do.		57	17,0
Proclus do.	12	5	53,6
Touches Mare Christium		6	45,5
Covers do. do.		10	1,0
Totally Eclipsed		11	46,6
End of total darkness	14	49	26,7
Covers Grimaldus		55	13,7
Leaves do.		56	17,5
Leaves Aristarchus	15	2	34,5
Tycho covered		18	9,9
Leaves Tycho		19	7,
End of the Eclipse		50	46,8

The Earth's shadow was exceedingly well defined, and the air particularly clear: the times of beginning and end as well as those of contact with the various spots, are I believe, as accurate as observations of this nature will permit; but the times of "Totally Eclipsed," and "End of total darkness,"—from the rapidity with which the last thread of light was dissolved and formed, are by far the most accurate portion of the observations; these cannot I think be more than two seconds in error—

Observed with the 5 feet Achromatic with a power of 60.

Observation of the Eclipse of the Moon on the 13th October 1837.

	Madras Mean Time h.	m.	s.
Beginning of the Eclipse	14	52	18,6
First total Immersion in dark shadow	15	52	18,8
Last total Immersion in dark shadow	17	22	3,9

This observation was made during my absence from Madras—by *Ragavachariar*, the head assistant; he states that flying clouds prevented very accurate observation—

Observed with 5 feet Achromatic power 60.

Observed North Polar Distance of the Planet Mars and of Stars situated near to his path at the opposition of 1837.

1837.	Names.	Madras Mean Time.	Bar.	Thermometer. in	Thermometer. out	Observed N. P. D.	Remarks.
		h. m.	Inches.	°	°	° ′ ″	
Jan. 26	♂ Centrum	13 16,7	30,050	71,2	66,7	71 20 27,8	
	* x					71 12 6,2	
	η Leonis					72 27 31,2	
27	* w		30,066	71,0	67,0	71 8 48,5	
	♂ Centrum	13 11,4				71 12 20,8	
	η Leonis		30,050	71,0	76,0	72 27 30,3	
28	* p		30,096	74,0	71,7	71 0 37,0	
	♂ Centrum	13 6,0	30,064	72,4	69,0	72 27 31,7	
	η Leonis					71 4 11,9	
29	* q		30,128	75,2	73,7	70 53 16.0	
	♂ Centrum	13 0,6				70 56 6,4	
	η Leonis					72 27 30,3	
31	♂ Centrum	12 49,6	30,110	74,8	71,0	70 39 59,4	
	* t					70 35 1,3	
	η Leonis		30,094	74,8	69,8	72 27 31,7	
Feb. 2	* k		30,100	73,5	68,6	70 15 19,2	
	♂ Centrum	12 38,6				70 24 7,7	
	η Leonis		30,090	72,0	68,0	72 27 31,7	
3	* k		30,144	75,6	70,6	70 15 17,9	
	♂ Centrum	12 33,2	30,126	74,7	70,0	70 16 20,6	
	η Leonis		30,124	74,5	69,7	72 27 32,0	
4	* l		30,114	75,0	73,0	70 1 16,7	
	♂ Centrum	12 27,6	31,102	74,0	72,3	70 8 38,4	
5	δ Cancri		30,032	74,2	70,6	71 15 52,5	
	* n					69 50 37,2	
	♂ Centrum	12 22,1	30,010	74,0	69,7	70 1 5,1	
6	δ Cancri		30,024	74,2	71,7	71 15 52,4	
	* n		30,020	74,0	70,0	69 50 36,6	
	♂ Centrum	12 16,6		73,8		69 53 39,5	
7	δ Cancri		30,072	76,0	74,3	71 15 52,6	
	♂ Centrum	12 11,1	30,064	75,8	73,7	69 46 22,1	
	* r					69 41 18,0	
8	δ Cancri		30,116	76,0	74,3	71 15 53,1	
	* 1141 A. S. C.					69 31 36,9	
	♂ Centrum	12 5,5	30,084	76,0	73,7	69 39 16,2	
9	δ Cancri		30,094	75,3	72,0	71 15 52,7	
	* 1141 A. S. C.					69 31 36.1	
	♂ Centrum	12 0,0	30,078	75,0	72,0	69 32 22,2	
10	δ Cancri		30,092	77,2	75,5	71 15 51,3	
	♂ Centrum	11 54,5	30,080	76,9	75,2	69 25 39,8	
	* o		30,070	76,5	74,0	69 17 24,8	
11	δ Cancri		30,012	77,5	74,6	71 15 51,2	
	♂ Centrum	11 49,0				69 19 10,2	
	* o		29,944	77,0	74,0	69 17 24,6	
12	δ Cancri		29,994	78,0	76,6	71 15 51,2	

Observed North Polar Distance, of Mars, &c. continued.

1837	Names.	Madras Mean Time.	Barometer.	Thermometer in	Thermometer out	Observed N. P. D.	Remarks.
		h. m.	Inches.	°	°	° ′ ″	
Feb. 12	♂ Centrum	11 43,5				69 12 54,0	
	* m			77,7	76,0	69 10 6,5	
13	δ Cancri		30,056	79,7	79,8	71 15 51,5	
	♂ Centrum	11 38,0				69 6 51,0	
	* i		30,046	79,4	79,5	68 57 23,5	
14	γ Cancri		30,110	79,5	77,6	67 57 46,9	
	♂ Centrum	11 32,6				69 1 3,3	
	* i					68 57 26,6	
15	γ Cancri		30,130	78,2	77,0	67 57 47,4	
	♂ Centrum	11 27,1	30,120			68 55 32,6	
	* h					68 47 0,0	
17	γ Cancri		30,160	78,2	76,2	67 57 47,8	
	* e					68 40 19,4	
	♂ Centrum	11 16,3			76,0	68 45 13,7	
18	γ Cancri		30,140	78,5	75,0	67 57 47,2	
	♂ Centrum	11 11,0	30,136	78,3	74,0	68 40 27,1	
19	γ Cancri					67 57 46,4	
	♂ Centrum	11 5,7				68 36 58,9	
	* g		30,110	76,0	72,0	68 30 58,3	
20	γ Cancri		30,152	76,8	72,0	67 57 48,2	
	♂ Centrum	11 0,4				68 31 46,7	
	* g					68 31 5,2	
21	γ Cancri		30,186	78,1	75,0	67 57 47,9	
	♂ Centrum	10 55,2	30,184	77,9	76,2	68 27 49,6	
	* f					68 26 20,9	
26	γ Cancri		30,044	78,0	75,3	67 57 45,1	
	* b					68 13 4,3	
	♂ Centrum	10 29,4				68 12 12,8	
27	γ Cancri		30,034	77,9	74,3	67 57 45,8	
	♂ Centrum	10 24,4				68 9 53,3	
28	γ Cancri		30,078	78,2	74,8	67 57 45,4	
	* a					68 13 6,6	Observed by mistake.
	♂ Centrum	10 19,5				68 7 50,4	
Mar. 1	γ Cancri		30,116	78,2	77,3	67 57 44,1	
	* a					68 13 6,6	
	♂ Centrum	10 14,6				68 6 2,9	
4	γ Cancri		30,096	79,7	78,8	67 57 44,4	
	* a					68 2 21,6	
	♂ Centrum	10 0,3		79,5	78,6	68 2 16,1	
5	γ Cancri		30,116	80,2	77,5	67 57 43,8	
	* a					68 2 22,1	
	♂ Centrum	9 55,6				68 1 31,1	
6	γ Cancri		30,120	79,5	76,5	67 57 43,7	
	♂ Centrum	9 51,0				68 1 0,2	
	* a					68 2 22,0	
7	γ Cancri		30,116	80,0	76,9	67 57 43,1	

Observed North Polar Distance, of Mars, &c. continued.

1837.	Names.	Madras Mean Time.	Bar.	Thermometer. in	Thermometer. out	Observed N. P. D.	Remarks.
		h. m.	Inches.	°	°	° ′ ″	
Mar. 7	♂ Centrum	9 46,4				68 0 44,3	
	* a					68 2 19,3	
8	γ Cancri		30,106	79,9	78,0	67 57 42,6	
	♂ Centrum	9 41,9				68 0 43,3	
	* a					68 2 20,0	
9	γ Cancri		30,124	79,9	77,7	67 57 43,5	
	♂ Centrum	9 37,4				68 0 55,7	
	* a					68 2 20,4	
10	γ Cancri		30,072	79,7	78,5	67 57 41,7	
	♂ Centrum	9 33,0				68 1 23,2	
	* a					68 2 20,2	
11	γ Cancri		30,024	80,3	80,2	67 57 42,6	
	♂ Centrum	9 28,7				68 2 3,3	
12	γ Cancri		30,076	80,2	79,7	67 57 41,4	
	♂ Centrum	9 24,4				68 2 58,4	
13	γ Cancri		30,076	81,0	79,0	67 57 43,4	
	♂ Centrum	9 20,2				68 4 5,7	
	* a					68 2 18,9	
14	γ Cancri		29,990	81,8	80,0	67 57 42,2	
	♂ Centrum	9 16,0				68 5 24,5	
	* a		29,986	80,5	79,8	68 2 23,4	
15	γ Cancri		29,960	80,6	79,5	67 57 42,4	
	♂ Centrum	9 10,7				68 6 57,8	
	* b		29,958		79,0	68 13 2,9	
16	γ Cancri		30,000	80,5	79,6	67 57 43,3	
	♂ Centrum	9 7,6				68 8 40,5	
	* b					68 13 4,1	
17	♂ Centrum	9 3,5	30,044	80,4	80,0	68 10 37,4	
	* b					68 13 3,3	
18	γ Cancri		30,054	80,7	78,2	67 57 42,6	
	♂ Centrum	8 59,4				68 12 45,7	
	* b					68 13 2,8	
19	γ Cancri		29,998	82,3	81,8	67 57 42,3	
	♂ Centrum	8 55,5				68 15 1,2	
	* b		30,010		81,2	68 13 4,2	
20	♂ Centrum	8 51,6	29,990	82,0	80,0	68 17 34,1	

The above observations have been given here—out of their proper place—to enable me (without loss of time) to avail myself of the corresponding observations made at the Cape of Good Hope Observatory, with which, through the kindness of the Astronomer Royal I have just been favoured : thus, putting p', p'', &c. to represent the equatoreal horizontal parallax of the Planet *Mars;* and computing the values of dr, (the differance of refraction between the Planet and Star) and $\triangle\ \delta$, the change of Declination in the interval occupied by the Planet in passing from one meridian to the other, we get

Observed North Polar Distance of Mars, &c.

1837.	Names.	Madras Observations.				Cape of Good Hope Observations.			
		Observed diff.	*dr.*	P		Observed diff.	*dr.*	P	Δ δ
		° ′ ″	″			° ′ ″	″		′ ″
Jan. 26	♂ Cent. & *x* Leonis	0 8 21,6	+0,13 *r*	+ ,0990*p*	= 0 6 47,13	+0,21	+,7963*p*	+ 1 23,51
	♂ —— & *η* ——	1 7 3,4	1,12	— ,0990	= 1 8 24,41	1,82	—,7963	— 1 23,51
27	♂ —— & *ω* ——	0 3 32,3	0,07	+ ,1013p^{i}	= 0 1 56,86	0,05	+,7978p^{i}	+ 1 23,51
	♂ —— & *η* ——	1 15 9,5	1,25	— ,1013	= 1 16 44,33	0,41	—,7978	— 1 23,51
28	♂ —— & P ——	0 3 34,9	0,07	+ ,1037p^{ii}	= 0 2 2,04	0,06	+,7992p^{ii}	+ 1 23,61
	♂ —— & *η* ——	1 23 20,8	1,37	— ,1037	= 0 24 50,02	0,65	—,7992	— 1 23,61
Feb. 5	♂ —— & *n* Cancri	0 10 27,9	0,17	+ ,1219p^{iii}	= 0 9 1,32	0,24	+,8100p^{iii}	+ 1 17,00
6	♂ —— & *δ* ——	1 22 12,9	1,36	— ,1242p^{iv}	= 1 23 37,61	2,12	—,8114p^{iv}	— 1 15,46
	♂ —— & *n* ——	0 3 2,9	0,07	+ ,1242	= 0 1 37,26	0,04	+,8114	+ 1 15,46
7	♂ —— & *δ* ——	1 29 30,5	1,47	— ,1262p^{v}	= 1 30 53,98	2,31	—,8128p^{v}	— 1 13,77
	♂ —— & *r* ——	0 5 4,1	0,08	+ ,1262	= 0 3 48,67	0,10	+,8128	+ 1 13,77
8	♂ —— & *δ* ——	1 36 36,9	1,60	— ,1282p^{vi}	= 1 37 55,50	2,48	—,8141p^{vi}	— 1 11,81
9	♂ —— & *δ* ——	1 43 30,5	1,71	— ,1302p^{vii}	= 1 44 48,36	2,66	—,8149p^{vii}	— 1 9,78
11	♂ —— & *δ* ——	1 56 41,0	1,91	— ,1340p^{viii}	= 1 57 52,81	2,93	—,8171p^{viii}	— 1 5,37
	♂ —— & *o* ——	0 1 45,6	0,02	+ ,1340	= 0 0 30,61	0,01	+,8171	+ 1 5,37
12	♂ —— & *δ* ——	2 2 57,2	2,33	— ,1360p^{ix}	= 2 4 4,60	3,14	—,8183p^{ix}	— 1 3,03
	♂ —— & *m* ——	0 2 47,5	0,04	+ ,1360	= 0 1 35,53	0,04	+,8183	+ 1 3,03
14	♂ —— & *γ* ——	1 3 16,4	1,04	+ ,1392p^{x}	= 1 2 2,75	1,57	+,8101p^{x}	+ 0 57,99
	♂ —— & *i* ——	0 3 36,7	0,07	+ ,1392	= 0 2 32,20	0,08	+,8201	+ 0 57,99
15	♂ —— & *γ* ——	0 57 45,2	0,92	+ ,1423p^{xi}	= 0 56 35,63	1,41	+,8220p^{xi}	+ 0 55,40
	♂ —— & *h* ——	0 8 32,6	0,14	+ ,1423	= 0 7 24,60	0,17	+,8220	+ 0 55,40
18	♂ —— & *γ* ——	0 42 39,9	0,69	+ ,1452p^{xii}	= 0 41 44,53	1,01	+,8236p^{xii}	+ 0 47,34
20	♂ —— & *γ* ——	0 33 58,5	0,54	+ ,1478p^{xiii}	= 0 33 9,15	0,81	+,8251p^{xiii}	+ 0 41,80
	♂ —— & *g* ——	0 0 41,5	0,00	+ ,1478	= 0 0 4,97	0,00	+,8251	— 0 41,80
21	♂ —— & *γ* ——	0 30 1,7	0,53	+ ,1490p^{xiv}	= 0 29 15,17	0,70	+,8258p^{xiv}	+ 0 39,00
	♂ —— & *f* ——	0 1 28,7	0,02	+ ,1490	= 0 0 43,58	0,01	+,8258	+ 0 39,00
28	♂ —— & *γ* ——	0 10 5,0	0,25	+ ,1547p^{xv}	= 0 9 36,10	0,22	+,8290p^{xv}	+ 0 19,40
Mar. 4	♂ —— & *γ* ——	0 4 37,2	0,08	+ ,1561p^{xvi}	= 0 4 15,89	0,11	+,8298p^{xvi}	+ 0 8,73
	♂ —— & *a* ——	0 0 5,5	0,00	— ,1561	= 0 0 21,09	0,00	—,8298	— 0 8,73
6	♂ —— & *a* ——	0 1 21,8	0,02	— ,1564p^{xvii}	= 0 1 33,53	0,03	—,8300p^{xvii}	— 0 3,70
7	♂ —— & *γ* ——	0 3 1,2	0,07	+ ,1567p^{xviii}	= 0 2 52,17	0,06	+,8302p^{xviii}	+ 0 1,22
	♂ —— & *a* ——	0 1 35,0	0,02	— ,1567	= 0 1 44,53	0,04	+,8302	+ 0 1,22
10	♂ —— & *γ* ——	0 3 41,5	0,07	+ ,1564p^{xix}	= 0 3 39,06	0,09	+,8300p^{xix}	+ 06,01
	♂ —— & *a* ——	0 0 57,0	0,01	— ,1564	= 0 0 57,80	0,02	—,8300	+ 06,01
12	♂ —— & *γ* ——	0 5 17,0	0,08	+ ,1561p^{xx}	= 0 5 17,39	0,11	+,8298p^{xx}	— 0 10,59
13	♂ —— & *γ* ——	0 4 22,6	0,08	+ ,1556p^{xxi}	= 0 6 25,31	0,14	+,8295p^{xxi}	— 0 12,79
	♂ —— & *a* ——	0 1 46,8	0,02	— ,1556	= 0 1 47,64	0,10	—,8295	+ 0 12,79
18	♂ —— & *γ* ——	0 15 3,1	0,25	+ ,1533p^{xxii}	= 0 15 18,25	0,34	+,8282p^{xxii}	— 0 22,80
	♂ —— & *b* ——	0 0 17,1	0,00	— ,1533	= 0 0 8,16	0,00	—,8282	+ 0 22,80
19	♂ —— & *γ* ——	0 17 18,9	0,26	+ ,1524p^{xxiii}	= 0 17 36,01	0,39	+,8277p^{xxiii}	— 0 24,91
	♂ —— & *b* ——	0 1 57,0	0,02	+ ,1524	= 0 2 17,09	0,05	+,8277	— 0 24,91

Resolving the above equations, and employing the log. distance of the Planet from the Earth—furnished in the Nautical Almanac—for the moment intermediate between the transit of the Planet over the two Observatories; we get π, the Equatoreal Horizontal Parallax of the Sun.

		″			″	
Jan.	26	10,88	= ,6973 p	$\therefore p$	=15,61 *or* π =10,68	Probably another Star instead of π has been observed by one or the other.
		1,81	,6973 p		=	
	27	11,95	,6965 p^{i}		=17,16 =14,71	
		10,58	,6965 p^{i}		=15,20 =10,37	
	28	9,26	,6955 p^{ii}		=13,31 = 9,05	
		4,89	,6955 p^{ii}		= 7,03 = 4,78	
Feb.	5	9,51	,6881 p^{iii}		=13,82 = 9,31	
	6	10,01	,6872 p^{iv}		=14,57 = 9,82	
		10,21	,6872 p^{iv}		=14,86 =10,02	
	7	10,67	,6866 p^{v}		=15,54 =10,49	r badly observed either at Madras or the Cape.
		1,64	,6866 p^{v}			
	8	7,67	,6859 p^{vi}		=11,18 = 7,55	
	9	9,03	,6847 p^{vii}		=13,19 = 8,92	
	11	7,46	,6831 p^{viii}		=10,92 = 7,41	
		10,24	,6831 p^{viii}		=14,99 =10,18	
	12	5,18	,6823 p^{ix}		= 7,59 = 5,17	
		8,94	,6823 p^{ix}		=13,10 = 9,12	
	14	8,13	,6809 p^{x}		=11,94 = 8,17	
		6,47	,6809 p^{x}		= 9,50 = 6,65	
	15	13,68	,6807 p^{xi}		=20,09 =13,80	
		12,57	,6807 p^{xi}		=18,47 =12,68	
	18	7,71	,6784 p^{xii}		=11,37 = 7,89	
	20	7,28	,6773 p^{xiii}		=10,75 = 7,53	
		4,67	,6773 p^{xiii}		= 6,89 = 4,83	
	21	7,36	,6768 p^{xiv}		=10,87 = 7,66	
		6,14	,6768 p^{xiv}		= 9,07 = 6,39	
	28	9,53	,6743 p^{xv}		=14,13 =10,37	
Mar.	41	2,36	,6737 p^{xvi}		=18,34 =13,85	
		6,86	,6737 p^{xvi}		=10,18 = 7,69	
	6	8,01	,6736 p^{xvii}		=11,89 = 9,11	
	7	7,82	,6735 p^{xviii}		=11,61 = 8,96	
		8,13	,6735 p^{xviii}		=12,07 = 9,31	
	10	8,43	,6736 p^{xix}		=12,51 = 9,89	
		6,33	,6736 p^{xix}		= 9,40 = 7,42	
	12	10,17	,6737 p^{xx}		=15,10 =12,13	
	13	10,02	,6739 p^{xxi}		=14,87 =12,04	
		13,71	,6739 p^{xxi}		=20,35 =16,48	The Madras Obs. of a is too small.
	18	7,56	,6749 p^{xxii}		=11,20 = 9,46	
		13,86	,6749 p^{xxii}		=20,54 =17,34	The Cape Obs. of a is too small.
	19	7,67	,6753 p^{xxiii}		=11,36 = 9,67	
		4,79	,6753 p^{xxiii}		= 7,09 = 6,04	The Cape Obs. of a is too large.

Mean =	9,"486
Whereas from a similar series of observations at the opposition of 1832-33 we obtained for π	9 ,912
Do. Do. 1834-35	8 ,595
Giving to each series the same weight, we obtain the mean Equatoreal Hor. Pa. of the Sun, or π =	9 ,331

OBSERVATIONS OF THE FIXED STARS.

THE observations of the Fixed Stars in 1836 & 1837 have been principally confined to a Catalogue of 2070 Stars, which, with those given in Vols. II. & III. completes the re-observation of Piazzi's Catalogue. It was my intention in 1836 to have made four observations of each Star at each Instrument—two in the first year, and two in the second, whereby any error in the observation or reduction would readily be detected;—this plan has for the most part been accomplished,—the principal deviation therefrom being in the hours XX & XXI, where, having to encounter a large number of Stars (from 140—150 in each hour) and that too at a time of the year little favorable to Observation,—I have been unable to make more than two or three, and in some cases only one observation of each Star; but, taking in to account, the accuracy to which each single observation may lay claim, I have thought it proper, rather to give this single observation, than to omit the Star from the Catalogue. The Magnitudes are from the mean of all the observations at both instruments, save that in the case where half a magnitude had to be decided between the two instruments, I have given it in favour of the Transit, as being derived from the better instrument of the two, and from the most skilful observers. The Corrections which have been employed, are those resulting from the values of *a*, *b*, *c*, *d*, of the Catalogue, in conjunction with the values of A, B, C, D, given in the Nautical Almanac; —these values of *a*, *b*, *c*, *&c.* have been computed for the year 1840, by applying to the A.R. and Declination given in Piazzi's Catalogue—the amount of 40 times the annual precession there given, whereby the places for 1840, are for *this purpose* obtained to a sufficient degree of accuracy. The formulæ employed (which has been explained at full length by Mr. Bailly in the appendix to the second volume of the Memoirs of the Royal Astronomical Society), is as follows

$$a = + \cos \alpha . \sec \delta$$

$$b = + \sin \alpha . \sec \delta$$

$$c = + 46''024 + 20'',042 \sin \alpha . \tan \delta$$

$$d = + \cos \alpha . \tan \delta$$

$$a' = + \tan \omega . \cos \delta - \sin \alpha . \sin \delta$$

$$b' = + \cos \alpha . \sin$$

$$c' = + 20'',042 \cos \alpha .$$

$$d' = - \sin \alpha .$$

and the values of A, B, C, D from the Nautical Almanac are computed from the formulæ

$$A = - 18'',6768 \cos . \odot$$

$$B = - 20'',3600 \sin . \odot$$

$$C = t - 0'',02495 \sin . 2 \odot - 0,34362 \sin . ☊ + 0,00413 \sin . 2 ☊ - 0,004 \sin . 2 ☾$$

$$D = - 0'',54470 \cos , 2 \odot - 9'',25000 \cos . ☊ + 0'',09030 \cos . 2 ☊ - 0'',090 \cos . 2 ☾$$

from which we deduce

$$\text{Apparent A. R. } in\ arc. = \alpha + A\,a + B\,b + C\,c + D\,d.$$

$$\text{Apparent Declination} = \delta + A\,a' + B\,b' + C\,c' + D\,d'.$$

where t denotes the time from the beginning of the year, α represents the A. R. of the Star, δ its Declination, and ω the Obliquity of the ecliptic. To guard against mistakes, the computations of these values as well as the places for 1840—have all been performed in duplicate, thus;—when the first computation had once been completed, the resulting values properly arranged —where neatly registered in a book which it was intended should be eventually employed in the ulterior computations, and the said book together with the details of the computation carefully locked up;—the computation was now again gone over anew, the results carefully compared with those registered in the fair book, and the discrepancies set right by a re-examination of each of the orginal computations; when the error, if occurring in the first computation, was rectified by neatly erasing the erroneous figures in the fair book: in the examination of the press, the proof sheet has always been compared with this orginal document, by which means, errors (with the exception of those given in the errata) have I hope been completely avoided.

A

SUBSIDIARY CATALOGUE (No. 2.)

OF

THE FIXED STARS

REDUCED TO JANUARY 1, 1836.

Together with the values of *a*, *b*, *c*, *d*, &c.

COMPUTED FOR THE YEAR 1840.

&c.

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1	Andromedæ	7.8	6	0 1 59,87	+3,074	+8,8770	+6,8593	+0,4877	+8,5453
2	Ceti	9	4	2 0,62	3,065	,8346	6,8169	,4864	—8,1762
3	———	*var*	4	2 46,05	3,067	,8250	6,9323	,4867	—7,6915
4	θ App. Sculp.	6.7	3	3 23,29	3,053	,9161	7,1122	,4847	—8,6856
5	Andromedæ	7.8	4	3 33,71	3,079	,8768	7,0887	,4884	+8,5443
6	Ceti	8	3	4 49,44	3,068	+8,8262	+7,1651	+0,4869	—7,8551
7	App. Sculp.	8	4	4 57,00	3,044	,9316	,2818	,4834	—8,7278
8	Andromedæ	8	3	6 0,77	3,098	,9403	,3727	,4911	+8,7496
9	Piscium	8.9	3	6 32,75	3,073	,8279	,2960	,4876	+7,9669
10	Andromedæ	7.8	3	6 36,65	3,091	,8891	,3615	,4901	+8,5965
11	Andromedæ	7.8	4	6 41,20	3,087	+8,8715	+7,3482	+0,4895	+8,5195
12	Piscium	7.8	3	6 54,17	3,063	8,8270	,3161	,4861	—7,9149
13	———	7.8	3	7 39,51	3,073	8,8271	,3629	,4876	+7,9262
14	App. Sculp.	7	3	7 50,73	3,039	8,8968	,4435	,4827	—8,6250
15	Cassiopeæ	7	3	8 11,76	3,155	9,1333	,6976	,4990	+9,0736
16	Piscium	7.8	3	8 15,33	3,068	+8,8237	+7,3914	+0,4869	+7,0508
17	Ceti	8.9	3	8 45,62	3,056	,8347	,4258	,4851	—8,1846
18	———	7	3	9 13,15	3,049	,8504	,4636	,4842	—8,3830
19	Piscium	7.8	3	9 25,13	3,066	,8240	,4464	,4866	—7,5051
20	Ceti	7.8	3	9 54,90	3,065	,8240	,4699	,4864	—7,5281
21	Andromedæ	7.8	2	10 5,17	3,103	+8,8887	+7,5431	+0,4918	+8,5959
22	Piscium	8	3	10 26,72	3,055	,8328	,5009	,4850	—8,1447
23	Phœnicis	6	3	10 31,34	3,008	,9673	,6382	,4783	—8,8100
24	Andromedæ	8	3	10 51,34	3,099	,8681	,5523	,4912	+8,5032
25	Ceti	7.8	6	11 49,96	3,051	,8363	,5581	,4844	—8,2185
26	Andromedæ	7.8	3	12 58,07	3,126	+8,9226	+7,6834	+0,4950	+8,7050
27	App. Sculp.	7.8	4	13 2,91	3,010	8,9190	,6821	,4786	—8,6953
28	Ceti	8	3	13 17,17	3,044	8,8428	,6124	,4834	—8,3112
29	App. Sculp.	8	3	13 34,70	3,033	8,8620	,6422	,4819	—8,4693
30	Cassiopeæ	8	4	13 56,90	3,218	9,1423	,9329	,5076	+9,0856
31	Cassiopeæ	9	3	14 21,76	3,223	+9,1434	+7,9462	+0,5083	+9,0871
32	Ceti	7	4	14 45,09	3,044	8,8420	,6566	,4834	—8,3038
33	App. Sculp.	7	3	14 59,55	3,013	8,8941	,7164	,4790	—8,6173
34	Andromedæ	7.8	4	16 4,11	3,124	8,8874	,7393	,4947	+8,5927
35	Ceti	8	4	16 30,44	3,046	8,8333	,6975	,4837	—8,1721
36	Ceti	8	4	16 35,97	3,039	+8,8419	+7,7079	+0,4827	—8,3058
37	———	7.8	3	17 32,13	3,051	,8283	,7177	,4844	—8,0336
38	Piscium	7	3	17 32,56	3,104	,8476	,7371	,4919	+8,3661
39	———	7.8	4	18 29,52	3,117	,8622	,7756	,4937	+8,4741
40	Ceti	7	3	18 43,59	3,057	,8247	,7427	,4853	—7,8355
41	Piscium	7.8	4	18 55,65	3,071	+8,8226	+7,7453	+0,4873	+7,3507
42	Ceti	7.8	3	19 41,07	3,042	,8328	,7718	,4832	—8,1698
43	Andromedæ	7	3	20 15,53	3,153	,9143	,8663	,4987	+8,6837
44	Ceti	8	4	20 51,69	3,041	,8325	,7972	,4830	—8,1672
45	———	7	3	21 6,72	3,059	,8233	,7934	,4856	—7,7032

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
1	4	+27 44 25,21	+20,042	+9,5798	+9,6682	+1,3019	—7,9822	2	+,015	— ,12
2	4	—12 41 52,32	20,042	+9,6284	—9,3415	,3019	7,9822	3	+,017	— ,01
3	3	— 4 13 59,77	20,041	+9,6375	—8,8664	,3019	8,1072	4	+,007	+ ,01
4	4	—36 3 4,44	20,041	+9,5563	—9,7695	,3019	8,1961	7	+,020	+ ,15
5	4	+27 41 53,98	20,041	+9,5753	+9,6675	,3019	8,2119	8	+,012	— ,13
6	4	— 6 9 13,33	20,038	+9,6345	—9,0286	+1,3019	—8,3387	10	+,004	— ,03
7	3	—38 44 3,78	20,038	+9,5478	—9,7961	,3019	,3502	11	+,010	+ ,11
8	2	+40 7 4,84	20,036	+9,4983	+9,8091	,3018	,4322	13	+,010	— ,14
9	3	+ 7 54 23,98	20,035	+9,6294	+9,1388	,3019	,4680	17	+,008	— ,06
10	3	+30 37 25,13	20,035	+9,5539	+9,7072	,3018	,4723	18	+,020	— ,08
11	3	+26 22 22,46	20,035	+9,5752	+9,6478	+1,3018	—8,4765	19	+,011	,00
12	3	— 7 2 51,22	20,034	+9,6385	—9,0877	,3018	,4890	21	+,016	+ ,01
13	3	+ 7 12 18,30	20,032	+9,6307	+9,0988	,3017	,5355	22	+,007	,00
14	3	—32 21 25,50	20,031	+9,5866	—9,7279	,3017	,5464	23	+,018	— ,03
15	3	+60 37 18,21	20,030	+9,2577	+9,9400	,3017	,5640	25	+,019	+ ,02
16	3	+ 0 56 18,68	20,030	+9,6365	+8,2268	+1,3017	—8,5674	26	+,014	+ ,01
17	4	—12 57 5,65	20,028	+9,6355	—9,3496	,3016	,5907	29	+,016	+ ,07
18	4	—19 57 49,75	20,026	+9,6253	—9,5323	,3016	,6128	31	+,001	— ,09
19	4	— 2 46 26,43	20,026	+9,6385	—8,6807	,3016	,6219	34	+,005	— ,05
20	3	— 2 55 31,96	20,024	+9,6385	—8,7037	,3015	,6454	36	+,011	+ ,02
21	3	+30 36 20,98	20,024	+9,5441	+9,7067	+1,3015	—8,6539	38	+,016	+ ,03
22	2	—11 51 33,80	20,022	+9,6385	—9,3114	,3015	,6677	39	+,017	+ ,04
23	2	—44 8 49,42	20,022	+9,5378	—9,8422	,3015	,6704	40	+,004	— ,02
24	3	+25 32 34,73	20,020	+9,5682	+9,6345	,3015	,6837	41	+,011	+ ,18
25	5	—13 58 21,54	20,015	+9,6375	—9,3815	,3014	,7212	44	+,007	— ,01
26	4	+37 16 39,25	20,010	+9,4914	+9,7817	+1,3012	—8,7601	47	+,014	— ,01
27	3	—36 42 27,21	20,010	+9,5832	—9,7755	,3012	,7623	48	—,001	,00
28	3	—17 7 3,92	20,009	+9,6355	—9,4677	,3012	,7688	49	+,014	— ,03
29	3	—23 54 45,33	20,007	+9,6243	—9,6065	,3012	,7794	51	+,028	— ,10
30	3	+61 19 55,73	20,005	+9,1875	+9,9424	,3011	,7898	52	+,032	+ ,10
31	1	+61 24 14,33	20,003	+9,1818	+9,9427	+1,3011	—8,8019	54	+,015	,00
32	4	—16 51 14,31	20,001	+9,6375	—9,4609	,3010	,8137	56	+,009	+ ,01
33	4	—31 56 45,67	19,998	+9,6053	—9,7222	,3010	,8213	57	,000	— ,04
34	4	+30 27 47,36	19,993	+9,5289	+9,6985	,3009	,8507	59	+,011	— ,08
35	4	—12 37 8,62	19,990	+9,6434	—9,3376	,3008	,8630	62	+,003	+ ,06
36	4	—16 56 15,66	19,990	+9,6395	—9,4627	+1,3008	—8,8647	63	+,022	— ,06
37	4	— 9 15 36,46	19,983	+9,6444	—9,2040	,3007	,8882	67	+,012	+ ,01
38	4	+19 14 13,97	19,983	+9,5843	+9,5172	,3007	,8882	66	+,014	— ,09
39	4	+24 8 4,01	19,976	+9,5599	+9,6104	,3005	,9119	71	+,006	— ,04
40	3	— 5 54 42,26	19,975	+9,6434	—9,0093	,3005	,9165	72	+,009	— ,11
41	4	+ 1 54 22,70	19,973	+9,6345	+8,5266	+1,3004	—8,9211	73	+,006	— ,04
42	3	—12 33 57,32	19,967	+9,6464	—9,3354	,3003	,9374	78	+,006	,00
43	4	+35 59 32,66	19,964	+9,4757	+9,7677	,3002	,9503	80	+,005	+ ,04
44	4	—12 30 22,15	19,958	+9,6474	—9,3329	,3001	,9628	82	+,016	+ ,06
45	4	— 4 22 39,17	19,956	+9,6434	—8,8781	,3001	,9682	83	+,006	— ,07

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
46	App. Sculp.	7,8	2	0 21 20,45	+2,957	+8,9479	+7,9221	+0,4708	—8,7696
47	Piscium	7.8	3	21 26,76	3,085	,8261	,8017	,4893	+7,9652
48	Andromedæ	7	3	22 24,83	3,191	,9580	,9546	,5039	+8,7922
49	App. Sculp.	7	4	22 26,26	2,950	,9496	,9462	,4698	—8,7737
50	Ceti	8	3	22 41,20	3,042	,8297	,8302	,4832	—8,1090
51	Piscium	7	3	23 5,04	3,105	+8,8370	+7,8463	+0,4921	+8,2537
52	———	7.8	2	23 23,97	3,078	8,8226	7,8369	,4883	+7,6626
53	Ceti	7.8	2	23 49,50	3,020	8,8461	7,8698	,4800	—8,3609
54	Andromedæ	7	3	24 11,	3,142	8,8731	7,9020	,4972	+8,5361
55	Cassiopeæ	8	2	24 22,73	3,313	9,1181	8,1505	,5202	+9,0541
56	Ceti	7.8	2	24 50,04	3,056	+8,8228	+7,8634	+0,4851	—7,7393
57	Piscium	8	1	25 5,98	3,064	8,8214	7,8655	,4863	—7,2345
58	———	8	4	25 14,09	3,078	8,8223	7,8688	,4883	+7,6731
59	Cassiopeæ	8	2	26 4,55	3,343	9,1352	8,1964	,5241	+9,0771
60	———	7	3	26 24,01	3,276	9,0447	+8,1114	,5153	+8,9489
61	Andromedæ	8	3	26 46,98	3,139	+8,8609	+7,9341	+0,4968	+8,4739
62	Piscium	8	4	26 59,84	3,099	,8288	7,9053	,4912	+8,1081
63	Andromedæ	8	2	27 32,67	3,137	,8572	7,9421	,4965	+8,4517
64	Piscium	8	2	28 35,42	3,056	,8217	7,9232	,4851	—7,6949
65	Andromedæ	7	3	28 35,56	3,183	,9046	8,0061	,5028	+8,6579
66	Ceti	9	4	29 36,47	3,047	+8,8234	+7,9399	+0,4839	—7,9020
67	Piscium	7	3	30 29,72	3,090	,8233	7,9524	,4900	+7,9112
68	———	7.8	4	30 39,48	3,075	,8203	7,9513	,4878	+7,4110
69	———	7.8	3	31 8,57	3,102	,8274	7,9659	,4916	+8,0941
70	Ceti	7	2	31 27,55	3,029	,8294	7,9726	,4813	—8,1478
71	Piscium	7.8	3	32 22,04	3,138	+8,8469	+8,0029	+0,4966	+8,3841
72	———	8	3	33 0,75	3,109	,8291	7,9931	,4926	+8,1497
73	———	7.8	4	33 4,60	3,135	,8443	8,0092	,4962	+8,3628
74	Ceti	8	2	33 19,42	2,992	,8497	8,0180	,4760	—8,4076
75	Phœnicis	7.8	3	34 7,56	2,875	,9621	8,1409	,4586	—8,8039
76	Ceti	7	3	35 34,77	3,021	+8,8297	+8,0261	+0,4801	—8,1779
77	Piscium	7.8	3	36 44,55	3,066	8,8183	,0293	,4866	—6,8502
78	Ceti	7.8	2	36 44,67	3,018	8,8295	,0406	,4797	—8,1822
79	Cassiopeæ	7.8	3	36 54,97	3,369	9,0535	,2669	,5275	+8,9638
80	Andromedæ	7.8	3	37 3,80	3,170	8,8659	,0769	,5011	+8,4927
81	Phœnicis	7	2	37 11,24	2,862	+8,9579	+8,1745	+0,4567	—8,7961
82	Ceti	7	3	37 29,82	3,000	,8381	,0578	,4771	—8,3110
83	Andromed. *præ.*	8	4	37 37,22	3,195	,8807	,1020	,5045	+8,5806
84	——— *seq.*	7.8	2	37 40,23	3,195	,8808	,1028	,5045	+8,5808
85	———	8	4	39 0,11	3,176	,8617	,0991	,5019	+8,4944
86	Piscium	7.8	3	39 33,78	3,040	+8,8205	+8,0645	+0,4829	—7,8980
87	———	8	3	40 10,57	3,142	,8376	,0883	,4972	+8,3145
88	———	9	3	41 4,89	3,098	,8202	,0803	,4911	+7,9112
89	Ceti	6	3	41 11,42	3,006	,8307	,0923	,4780	—8,2273
90	———	8	4	41 27,06	3,031	,8217	,0862	,4816	—8,0023

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
46	3	—41 34 20,66	+19,955	+9,5877	—9,8198	+1,3001	—8,9723	84	+,009	+ ,04
47	4	+ 7 53 52,85	19,955	+9,6201	+9,1371	,3000	,9736	85	+,015	— ,09
48	2	+23 2 23,45	19,952	+9,3979	+9,8321	,2998	,9945	93	+,001	— ,01
49	3	—41 50 49,72	19,952	+9,5899	—9,8220	,2998	,9945	94	+,006	+ ,10
50	3	—10 59 27,68	19,943	+9,6484	—9,2771	,2998	,9983	96	+,015	— ,02
51	2	+15 6 54,09	19,940	+9,5933	+9,4145	+1,2997	—9,0070	97	+,006	— ,22
52	3	+ 3 56 25,89	19,936	+9,6294	+8,8376	,2996	,0119	98	,000	—, 02
53	3	—19 7 36,65	19,935	+9,6474	—9,5124	,2995	,0204	100	+,010	+ ,01
54	2	+27 22 27,75	19,930	+9,5263	+9,6605	,2995	,0264	103		+ ,02
55	1	+59 38 29,27	19,928	+9,1038	+9,9335	,2995	,0299	104	+,011	— ,16
56	3	— 4 45 16,82	19,924	+9,6444	—8,9139	+1,2994	—9,0380	106	+,016	— ,14
57	3	— 1 30 47,72	19,922	+9,6405	—8,4104	,2993	,0415	107	+,013	— ,02
58	2	+ 4 2 29,76	19,920	+9,6284	+8,8481	,2993	,0437	108	+,002	+ ,07
59	2	+60 57 36,55	19,912	+9,0414	+9,9389	,2991	,0583	112	+,004	+ ,06
60	3	+53 17 53,82	19,909	+9,2201	+9,9012	,2990	,0637	114	+,018	— ,02
61	3	+24 12 2,07	19,905	+9,5416	+9,6099	+1,2989	—9,0702	116	+,016	— ,14
62	2	+10 56 30,52	19,902	+9,6053	+9,2762	,2989	,0734	119	,000	— ,10
63	2	+23 7 17,18	19,897	+9,5465	+9,5914	,2988	,0818	121	+,019	,00
64	3	— 4 18 13,79	19,885	+9,6454	—8,8698	,2985	,0981	129	+,010	— ,04
65	3	+34 29 42,83	19,885	+9,4564	+9,7499	,2985	,0981	128	+,010	— ,03
66	3	— 6 54 4,71	19,874	+9,6503	—9,0749	+1,2983	—9,1128	132	+,011	— ,01
67	3	+ 7 0 50,19	19,864	+9,6180	+9,0840	,2981	,1252	135	+,007	— ,01
68	3	+ 2 13 4,23	19,862	+9,6325	+8,5868	,2980	,1271	137	+,059	+ ,22
69	3	+10 37 49,08	19,856	+9,6031	+9,2626	,2979	,1345	140	+,018	— ,08
70	3	—12 2 52,18	19,852	+9,6561	—9,3143	,2978	,1390	142	+,013	— ,16
71	3	+20 7 7,31	19,841	+9,5539	+9,5327	+1,2976	—9,1516	145	—,006	— ,13
72	3	+12 3 44,55	19,834	+9,5955	+9,3163	,2974	,1603	149	+,013	— ,09
73	3	+19 14 19,66	19,833	+9,5587	+9,5139	,2974	,1603	150	+,018	— ,07
74	3	—21 12 2,56	19,829	+9,6609	—9,5533	,2973	,1637	151	+,010	+ ,04
75	3	—44 1 29,35	19,819	+9,6191	—9,8369	,2971	,1739	153	+,007	— ,20
76	4	—12 54 4,00	19,800	+9,6609	—9,3429	+1,2967	—9,1911	161	—,007	— ,15
77	4	— 0 38 37,26	19,784	+9,6395	—8,0263	,2963	,2053	167	+,027	— ,16
78	2	—13 2 26,12	19,783	+9,6618	—9,3469	,2963	,2061	169	+,016	+ ,14
79	1	+54 24 25,45	19,781	+9,0828	+9,9046	,2962	,2077	168	+,023	— ,02
80	3	+25 16 28,19	19,779	+9,5092	+9,6250	,2962	,2092	170	+,018	— ,09
81	4	—43 34 12,61	19,778	+9,6304	—9,8324	+1,2962	—9,2107	173	—,001	— ,08
82	3	—17 19 20,44	19,773	+9,6656	—9,4670	,2961	,2138	174	+,017	— ,02
83	3	+30 2 48,14	19,771	+9,4683	+9,6939	,2960	,2153	175	+,015	— ,18
84	3	+30 3 13,96	19,770	+9,4669	+9,6941	,2960	,2161	176	+,020	— ,18
85	4	+25 23 37,00	19,751	+9,5038	+9,6263	,2956	,2310	184	+,022	— ,12
86	3	— 6 53 17,20	19,742	+9,6551	—9,0710	+1,2954	—9,2375	188	+,003	+ ,01
87	4	+17 25 8,32	19,733	+9,5587	+9 4702	,2952	,2439	191	—,004	+ ,08
88	3	+ 7 3 35,88	19,719	+9,6117	+9,0839	,2949	,2531	197	+,016	— ,01
89	3	—14 27 7,79	19,717	+9,6674	—9,3895	,2948	,2544	198	+,019	— ,09
90	4	— 8 44 39,36	19,713	+9,6590	—9,1733	,2947	,2572	200	+,009	— ,02

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
91	Piscium	8	3	0 42 1,22	+3,139	+8,8339	+8,1040	+0,4968	+8,2773
92	Phœnicis	7.8	2	42 22,07	2,827	,9614	,2357	,4513	—8,8052
93	Piscium	8	3	42 25,47	3,099	,8198	,0940	,4512	+7,9168
94	———	7.8	4	42 34,95	3,094	,8187	,0950	,4905	+7,8403
95	———	7.8	3	43 0,31	3,121	,8256	,1061	,4943	+8,1405
96	Piscium	8	4	44 48,76	3,154	+8,8378	+8,1365	+0,4989	+8,3532
97	———	8.9	3	44 51,99	3,151	,8361	,1354	,4984	+8,3151
98	———	8.9	3	44 53,40	3,083	,8161	,1155	,4890	+7,5652
99	———	8.9	3	45 29,76	3,091	,8168	,1221	,4901	+7,7528
100	Ceti	8	3	45 30,06	2,998	,8299	,1351	,4768	—8,2372
101	Andromedæ	8	3	46 23,00	3,180	+8,8494	+8,1637	+0,5024	+8,4332
102	Cassiopeæ	7.8	4	47 53,12	3,417	9,0188	,3475	,5336	+8,9116
103	Piscium	8	4	47 55,89	3,201	8,8586	,1874	,5053	+8,4021
104	Cassiopeæ	7.8	3	48 27,89	3,419	9,0177	,3513	,5339	+8,9098
105	Andromedæ	7.8	2	48 45,72	3,175	8,8426	,1793	,5017	+8,3893
106	Piscium	8.9	3	48 49,56	3,070	+8,8139	+8,1506	+0,4871	+6,7548
107	Andromedæ	7	2	49 16,21	3,254	,8905	,2315	,5124	+8,6276
108	Piscium	8	3	49 18,79	3,125	,8220	,1636	,4948	+8,1097
109	———	8	4	49 35,60	3,176	,8421	,1860	,5019	+8,3871
110	———	8	4	49 53,60	3,126	,8219	,1688	,4950	+8,1127
111	Messoris	8.9	3	50 44,93	3,531	+9,0828	+8,4375	+0,5479	+9,0089
112	Piscium	8	3	50 59,65	3,068	8,8129	,1705	,4869	—5,9756
113	———	7	2	51 43,88	3,179	8,8407	,2035	,5021	+8,3827
114	———	8	3	52 39,98	3,124	8,8193	,1901	,4947	+8,0724
115	———	8	3	52 41,21	3,106	8,8156	,1870	,4922	+7,9117
116	Piscium	8	2	52 46,92	3,128	+8,8203	+8,1922	+0,4953	+8,1029
117	———	8	4	55 17,01	3,101	8,8133	,2063	,4915	+7,8256
118	———	8.9	3	55 18,53	3,103	8,8131	,2141	,4918	+7,8455
119	Cassiopeæ	7	3	56 39,72	3,710	9,1521	,5558	,5694	+9,1017
120	74 Piscium *seq.*	6.7	2	56 54,90	3,192	8,8390	,2448	,5041	+8,3853
121	Piscium *seq.*	8	3	57 22,75	3,091	+8,8111	+8,2207	+0,4901	+7,6601
122	———	8	3	57 27,74	3,200	,8419	,2519	,5051	+8,4095
123	Ceti	8.9	1	58 13,80	3,005	,8171	,2329	,4778	—8,0825
124	Piscium	7.8	3	58 21,96	3,186	,8346	,2520	,5032	+8,3535
125	Ceti	8	3	59 48,01	3,123	,8143	,2423	,4946	+8,0110
126	Phœnicis	7.8	2	1 0 17,67	2,751	+8,9398	+8,3714	+0,4395	—8,7681
127	Piscium	8	4	0 32,65	3,210	8,8415	,2750	,5065	+8,4160
128	———	7.8	3	0 35,25	3,207	8,8404	,2745	,5061	+8,4086
129	Cassiopeæ	8	3	2 4,28	3,809	9,1681	,6136	,5808	+9,1223
130	Piscium	7.8	3	2 19,24	3,123	8,8126	,2595	,4946	+7,9923
131	Piscium	8	3	2 50,60	3,215	+8,8397	+8,2905	+0,5072	+8,4107
132	———	7	3	3 58,63	3,274	,8657	,3247	,5151	+8,5543
133	App. Sculp.	8	3	5 9,51	2,795	,8983	,3653	,4464	—8,6681
134	Piscium	7.8	3	5 11,68	3,112	,8090	,2764	,4930	+7,8770
135	———	8	3	5 38,53	3,193	,8283	,2989	,5042	+8,3252

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
91	4	+16 5 53,93	+19,704	+9,5635	+9,4360	+1,2946	—9,2627	202	+,008	— ,04
92	2	—44 17 24,07	19,697	+9,6434	—9,8363	,2944	,2667	205	+,006	,00
93	4	+ 7 9 13,47	19,697	+9,6107	+9,0895	,2944	,2667	204	+,010	— ,01
94	4	+ 6 0 19,43	19,695	+9,6159	+9,0140	,2943	,2687	206	—,001	— ,02
95	3	+11 53 33,44	19,688	+9,5866	+9,3071	,2942	,2727	208	+,016	+ ,03
96	4	+18 12 9,66	19,658	+9,5453	+9,4869	+1,2935	—9,2902	214	+,005	+ ,03
97	4	+17 30 8,69	19,657	+9,5502	+9,4705	,2935	,2909	215	+,003	— ,01
98	3	+ 3 11 43,38	19,657	+9,6253	+8,7406	,2935	,2909	216	+,015	— ,11
99	4	+ 4 54 55,71	19,647	+9,6180	+8,9273	,2933	,2965	218	+,007	— ,19
100	3	—14 48 48,49	19,647	+9,6730	—9,3986	,2933	,2965	219	+,014	— ,12
101	2	+22 31 25,79	19,631	+9,5105	+9,5747	+1,2929	—9,3052	224	+,028	+ ,06
102	1	+51 21 4,28	19,603	+9,0334	+9,8831	,2923	,3191	233	+,012	+ ,03
103	3	+25 26 59,64	19,603	+9,4800	+9,6238	,2923	,3191	236	+,013	— ,06
104	3	+51 14 56,75	19,593	+9,0334	+9,8823	,2921	,3238	237	+,021	+ ,04
105	3	+20 35 55,94	19,587	+9,5198	+9,5367	,2920	,3267	239	+,026	— ,10
106	2	+ 0 28 28,19	19,587	+9,6355	+7,9308	+1,2920	—9,3267	240	+,001	— ,21
107	2	+33 3 53,69	19,578	+9,3927	+9,7269	,2918	,3307	242	+,008	— ,17
108	2	+11 9 12,34	19,577	+9,5843	+9,2775	,2917	,3313	244	+,004	— ,02
109	4	+20 30 59,30	19,572	+9,5185	+9,5347	,2916	,3336	245	+,008	— ,04
110	2	+11 14 28,09	19,566	+9,5843	+9,2804	,2915	,3365	247	—,003	— ,03
111	2	+57 28 40,80	19,549	+8,6721	+9,9152	+1,2911	—9,3438	248	+,022	+ ,03
112	3	— 0 6 15,81	19,542	+9,6375	—7,1517	,2910	,3466	251	+,005	— ,32
113	2	+20 21 46,77	19,531	+9,5172	+9,5307	,2907	,3515	253	+,010	— ,06
114	3	+10 17 44,36	19,512	+9,5866	+9,2414	,2903	,3591	255	+,012	— ,15
115	3	+ 7 9 0,42	19,511	+9,6042	+9,0844	,2903	,3597	256	+,004	— ,07
116	3	+11 1 38,48	19,510	+9,5821	+9,2708	+1,2902	—9,3602	257	+,011	+ ,02
117	4	+ 5 52 59,12	19,458	+9,6096	+8,9991	,2891	,3801	269	+,007	— ,03
118	4	+ 6 10 11,51	19,436	+9,6074	+9,0189	,2886	,3877	271	+,021	— ,04
119	2	+62 53 32,75	19,430	—8,3222	+9,9360	,2885	,3902	272	+,014	— ,05
120	2	+20 35 8,29	19,424	+9,5038	+9,5327	,2883	,3922	276	+,005	— ,06
121	3	+ 4 2 3,91	19,414	+9,6180	+8,8351	+1,2881	—9,3957	281	—,003	— ,12
122	4	+21 40 17,07	19,412	+9,4928	+9,5537	,2881	,3961	282	+,019	+ ,07
123		—10 38	19,396	+9,6749	—9,2511	,2877	,4015	288		
124	4	+19 16 17,29	19,392	+9,5145	+9,5045	,2876	,4030	289	+,005	— ,08
125	3	+ 9 1 48,53	19,360	+9,5888	+9,1817	,2869	,4130	297	+,011	— ,08
126	4	—42 21 57,64	19,350	+9,6964	—9,8130	+1,2867	—9,4163	303	—,005	— ,15
127	3	+22 1 52,60	19,344	+9,4829	+9,5591	,2865	,4181	302	+,005	+ ,11
128	2	+21 42 8,32	19,342	+9,4857	+9,5527	,2865	,4186	304	+,024	— ,04
129	3	+64 8 6,49	19,306	—8,7243	+9,9379	,2857	,4292	312	+,011	— ,05
130	3	+ 8 40 42,65	19,302	+9,5888	+9,1634	,2856	,4305	4	+,010	+ ,24
131	4	+21 50 59,81	19,289	+9,4800	+9,5544	+1,2853	—9,4341	7	+,006	+ ,03
132	3	+29 11 32,53	19,262	+9,3874	+9,6712	,2847	,4417	11	+,014	— ,12
133	3	—36 4 38,72	19,234	+9,7126	—9,7518	,2841	,4490	18	+,019	— ,06
134	2	+ 6 42 35,10	19,232	+9,5999	+9,0501	,2840	,4495	17	+,019	+ ,04
135	3	+18 15 24,86	19,222	+9,5092	+9,4787	,2838	,4525	21	+,017	+ ,03

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
136	Ceti	8	3	0 6 7,20	+3,009	+8,8106	+8,2845	+0,4784	—7,9936
137	Piscium	7.8	3	7 1,88	3,109	8,8074	,2877	,4926	+7,8338
138	Cassiopeæ	7	2	7 16,32	3,660	9,0661	,5483	,5635	+8,9887
139	Piscium	8	2	8 50,72	3,094	8,8049	,2970	,4905	+7,6300
140	Cassiopeæ	7.8	3	9 36,27	3,694	9,0714	,5692	,5675	+8,9967
141	Cassiopeæ	8	5	10 12,78	3,890	+9,1587	+8,6600	+0,5899	+9,1117
142	Piscium	7.8	5	10 23,42	3,095	8,8039	,3066	,4907	+7,6253
143	———	8	3	10 25,28	3,115	,8058	,3085	,4935	+7,8652
144	———	8	4	11 0,63	3,116	,8055	,3121	,4936	+7,8693
145	———	7.8	3	11 13,83	3,106	,8043	,3126	,4922	+7,7712
146	Andromedæ	8	3	12 14,31	3,505	+8,9635	+8,4784	+0,5447	+8,8236
147	Piscium	7.8	4	13 53,26	3,101	,8021	,3274	,4915	+7,6886
148	Andromedæ	7.8	4	14 45,84	3,459	,9313	,4621	,5389	+8,7595
149	Phœnicis	8	4	15 10,24	2,645	,9464	,4793	,4224	—8,7917
150	Piscium	7.8	3	15 19,55	3,102	,8012	,3353	,4916	+7,6926
151	Andromedæ	7	2	16 50,20	3,362	+8,8791	+8,4222	+0,5266	+8,6238
152	Phœnicis	6.7	3	17 34,06	2,618	,9516	,4992	,4180	—8,8037
153	Persei	8	2	17 36,73	3,617	,9992	,5475	,5583	+8,8895
154	Piscium	8	3	19 52,19	3,125	,8002	,3617	,4948	+7,8943
155	———	7	4	20 22,16	3,277	,8373	,4019	,5155	+8,4542
156	Cassiopeæ	7.8	4	20 31,48	4,282	+9,2457	+8,8111	+0,6324	+9,2164
157	Piscium	8	4	21 13,42	3,351	8,8645	,4338	,5252	+8,5810
158	Andromedæ	7.8	4	24 49,98	3,425	8,8877	,4778	,5347	+8,6612
159	100ª Piscium	7.8	3	26 10,91	3,170	8,8015	,3991	,5011	+8,1097
160	———	7.8	4	26 17,15	3,132	8,7959	,3939	,4958	+7,9087
161	Andromedæ	8	4	26 48,08	3,609	+8,9621	+8,5634	+0,5574	+8,8297
162	———	7	4	27 42,41	3,616	,9623	,5683	,5582	+8,8306
163	Piscium	7.8	2	28 57,94	3,169	,7986	,4112	,5009	+8,0895
164	App. Sculp.	8.9	3	29 27,64	2,822	,8356	,4506	,4506	—8,4748
165	103 Piscium	7.8	4	30 25,77	3,214	,8058	,4262	,5070	+8,2413
166	Cassiopeæ	7	7	31 35,96	3,961	+9,0856	+8,7127	+0,5978	+9,0219
167	Piscium	7.8	4	32 10,48	3,312	8,8301	,4601	,5201	+8,4550
168	Phœnicis	8	3	32 27,38	2,653	8,8925	,5239	,4237	—8,6846
169	Piscium	8	3	32 47,76	3,145	8,7917	,4248	,4976	+7,9494
170	Cassiopeæ	8.9	2	32 53,30	3,969	9,0831	,7168	,5987	+9,0189
171	Ceti	7.8	2	33 22,88	2,848	+8,8251	+8,4573	+0,4545	—8,4046
172	Andromedæ	8	3	33 34,44	3,697	8,9766	8,6139	,5678	+8,8596
173	Arietis	8.9	3	35 56,52	3,256	8,8090	8,4582	,5127	+8,3227
174	Camelop.	7.8	3	36 18,16	6,577	9,5971	9,2484	,8180	+9,5919
175	Piscium	7.8	4	38 27,66	3,167	8,7890	8,4511	,5006	+8,0301
176	Trianguli	7	4	39 19,07	3,417	+8,8525	+8,5189	+0,5336	+8,5751
177	Arietis	8	4	39 28,67	3,232	8,7991	,4661	,5095	+8,2451
178	Persei	8	3	39 49,54	3,858	9,0163	,6853	,5864	+8,9265
179	Fornacis	8	4	41 1,16	2,776	8,8304	,5053	,4434	—8,4882
180	χ Ceti *præ.*	7	4	41 20,16	2,952	8,7886	,4648	,4701	—8,0883

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
136	3	— 8 47 35,27	+19,210	+9,6739	—9,1646	+1,2835	—9,4555	22	+,021	+ ,33
137	3	+ 6 5 13,03	19,187	+9,6021	+9,0074	,2830	,4614	28	+,015	— ,05
138	3	+56 45 52,91	19,180	—7,6990	+9,9034	,2828	,4630	27	—,010	+ ,07
139	4	+ 3 47 53,16	19,142	+9,6159	+8,8051	,2820	,4721	34	+,016	— ,05
140	2	+57 20 37,10	19,119	—8,2787	+9,9048	,2815	,4773	35	+,006	+ ,02
141	3	+63 48 33,40	19,103	—8,9031	+9,9322	+1,2811	—9,4805	39	+,077	— ,01
142	4	+ 3 47 19,45	19,100	+9,6159	+8,8004	,2810	,4817	42	+,011	— ,07
143	4	+ 6 33 56,93	19,100	+9,5977	+9,0384	,2810	,4817	43	+,019	+ ,02
144	4	+ 6 37 37,19	19,084	+9,5977	+9,0424	,2807	,4853	45	+,022	,00
145	4	+ 5 17 48,94	19,076	+9,6064	+8,9454	,2805	,4869	46	+,013	— ,07
146	4	+46 25 15,83	19,050	+8,8633	+9,8380	+1,2799	—9,4927	49	+,020	+ ,11
147	4	+ 4 23 30,12	19,004	+9,6117	+8,8634	,2788	,5022	54	+,007	— ,11
148	4	+42 17 2,66	18,980	+9,0212	+9,8045	,2783	,5071	61	+,006	+ ,03
149	4	—44 27 49,99	18,970	+9,7292	—9,8214	,2781	,5089	65	+,024	+ ,02
150	4	+ 4 27 4,63	18,964	+9,6107	+8,8674	,2779	,5101	64	+,013	— ,07
151	4	+33 43 39,18	18,923	+9,2504	+9,7197	+1,2770	—9,5181	70	+,038	— ,12
152	3	—45 23 6,12	18,901	+9,7340	—9,8266	,2765	,5221	78	,000	— ,04
153	4	+50 57 17,48	18,897	+8,1461	+9,8647	,2764	,5228	71	+,005	,00
154	3	+ 7 6 25,19	18,833	+9,5899	+9,0670	,2749	,5344	87	+,009	+ ,02
155	5	+24 25 25,33	18,816	+9,4031	+9,5895	,2745	,5372	90	+,013	— ,02
156	4	+69 10 15,07	18,812	—9,2253	+9,9432	+1,2744	—9,5378	86	+,025	— ,02
157	3	+31 20 20,36	18,793	+9,2787	+9,6884	,2740	,5413	93	+,012	+ ,09
158	4	+36 23 38,96	18,678	+9,1271	+9,7429	,2713	,5595	104	+,007	+ ,07
159	8	+11 43 1,83	18,638	+9,5428	+9,2766	,2703	,5660	112	+,012	— ,04
160	4	+ 7 25 57,36	18,633	+9,5821	+9,0811	,2703	,5663	114	+,005	— ,04
161	4	+47 28 29,98	18,615	+8,3010	+9,8355	+1,2698	—9,5692	115	+,013	— ,03
162	4	+47 34 22,85	18,587	+8,2304	+9,8355	,2692	,5733	121	+,029	+ ,05
163	4	+11 14 25,10	18,547	+9,5465	+9,2572	,2683	,5788	128	+,027	+ ,02
164	4	—25 51 16,96	18,531	+9,7459	—9,6052	,2679	,5810	134	+,028	— ,02
165	4	+15 47 27,61	18,497	+9,4955	+9,4006	,2671	,5856	135	+,006	— ,06
166	2	+59 42 53,84	18,455	—9,0719	+9,9005	+1,2661	—9,5913	139	+,031	— ,09
167	3	+24 54 49,94	18,434	+9,3598	+9,5886	,2657	,5937	145	+,011	— ,09
168	3	—38 18 20,43	18,427	+9,7672	—9,7556	,2655	,5948	147	+,008	+ ,17
169	4	+ 8 14 25,08	18,417	+9,5705	+9,1209	,2652	,5963	149	+,006	+ ,01
170	3	+59 36 20,65	18,411	—9,0864	+9,8989	,2651	,5969	146	+,032	— ,05
171	2	—22 33 3,45	18,395	+9,7427	—9,5462	+1,2647	—9,5989	153	+,019	— ,08
172	2	+49 46 56,58	18,388	—8,3802	+9,8455	,2645	,5998	152	+,027	— ,20
173	5	+19 1 49,21	18,305	+9,4425	+9,4744	,2626	,6099	161	+,006	— ,01
174	3	+81 8 31,49	18,291	—9,5276	+9,9551	,2622	,6116	155	+,137	+ ,06
175	4	+10 1 14,93	18,214	+9,5490	+9,1995	,2604	,6205	169	+,009	+ ,15
176	3	+31 51 24,39	18,183	+9,1673	+9,6803	+1,2597	—9,6240	171	—,010	+ ,36
177	4	+16 12 1,83	18,178	+9,4757	+9,4036	,2595	,6246	174	+,001	+ ,08
178	4	+54 23 53,76	18,163	—8,9590	+9,8674	,2592	,6262	173	+,020	— ,06
179	4	—27 4 22,80	18,118	+9,7634	—9,6139	,2581	,6311	180		+ ,02
180	4	—11 31 2,54	18,108	+9,7076	—9,2556	,2579	,6321	182	+,005	— ,06

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
181	Piscium	9	2	1 43 8,76	+3,102	+8,7789	+8,4641	+0,4916	+7,5434
182	Ceti	8	4	43 20,57	3,171	8,7846	8,4709	,5012	+8,0250
183	Mesarthim	8	2	44 32,60	3,265	8,8000	8,4917	,5139	+8,3018
184	Cassiopeæ	7.8	4	45 32,67	5,315	9,3676	9,0644	,7255	+9,3529
185	Andromedæ	7.8	4	47 45,29	3,703	8,9345	8,6417	,5685	+8,7938
186	Ceti	8	5	51 36,77	3,135	+8,7726	+8,4973	+0,4962	+7,8025
187	Piscium	8	4	51 50,53	3,108	8,7706	,4966	,4925	+7,5705
188	Cassiopeæ	8	2	52 54,97	4,345	9,1209	,8520	,6380	+9,0731
189	Ceti	7.8	3	53 13,16	3,147	8,7718	,5038	,4979	+7,8638
190	Andromedæ	7.8	2	53 52,61	3,634	8,8937	,6288	,5604	+8,7156
191	Arietis	7.8	4	55 4,63	3,370	+8,8098	+8,5502	+0,5276	+8,4681
192	Ceti	8	2	55 11,12	3,010	,7682	,5091	,4786	—7,7171
193	———	8	5	58 56,85	3,162	,7667	,5244	,5000	+7,9147
194	Persei	8.9	4	59 5,80	3,969	,9885	,7470	,5987	+8,8940
195	Ceti	8	8	59 38,64	3,163	,7660	,5266	,5001	+7,9140
196	62 Ceti	8	4	2 0 51,73	3,032	+8,7609	+8,5270	+0,4817	—7,4939
197	Arietis	8	2	2 11,79	3,324	,7875	,5594	,5217	+8,3342
198	———	8	4	3 48,61	3,306	,7814	,5605	,5193	+8,2955
199	66 Ceti *præ.*	*var.*	4	4 24,63	3,030	,7569	,5383	,4814	—7,4969
200	———	8	3	4 30,79	3,111	,7570	,5388	,4929	+7,5407
201	Persei	7.8	3	5 22,59	4,111	+9,0108	+8,7964	+0,6139	+8,9308
202	Ceti	7	3	5 25,43	3,022	8,7561	,5417	,4803	—7,5756
203	Persei	7.8	5	5 27,52	4,113	9,0106	,7968	,6142	+8,9306
204	Andromedæ	8	2	5 54,30	3,847	8,9301	,7180	,5851	+8,8021
205	Persei	8.9	4	6 2,12	4,156	9,0214	,8098	,6187	+8,9463
206	Ceti	7.8	3	6 10,72	3,079	+8,7543	+8,5433	+0,4884	+6,9662
207	Persei	7	1	7 37,01	4,133	9,0093	,8045	,6163	+8,9298
208	Trianguli	8	4	7 55,24	3,445	8,8062	,6026	,5372	+8,4778
209	———	8	3	7 55,59	3,445	8,8062	,6026	,5372	+8,4778
210	Ceti	7.8	3	8 0,26	3,086	8,7522	,5489	,4894	+7,1702
211	Ceti	8	2	8 33,10	3,023	+8,7523	+8,5512	+0,4804	—7,5562
212	———	9	3	8 44,04	3,125	,7526	,5523	,4948	+7,6584
213	Eridani	7.8	4	8 46,63	2,431	,8788	,6788	,3858	—8,7028
214	Ceti	7.8	2	8 47,98	2,977	,7547	,5547	,4738	—7,8597
215	———	11	1	11 11,67	3,021	,7491	,5592	,4801	—7,5589
216	Andromedæ	7.8	4	12 42,25	3,699	+8,8669	+8,6833	+0,5681	+8,6817
217	Ceti	8	4	12 51,69	3,158	,7494	,5664	,4994	+7,8364
218	———	9.10	3	13 20,79	3,020	,7464	,5656	,4800	—7,5562
219	———	8.9	3	13 21,08	3,054	,7457	,5645	,4849	—7,0223
220	———	7.8	4	13 23,69	3,071	,7455	,5646	,4873	+6,3554
221	Tri. Min.	7.8	4	15 56,06	3,485	+8,8012	+8,6307	+0,5422	+8,4890
222	Ceti	8.9	4	16 43,66	3,067	,7413	,5741	,4867	—5,9040
223	Persei	8	4	16 51,71	4,026	,9501	,7837	,6049	+8,8456
224	Arietis	7.8	3	16 55,02	3,198	,7474	,5810	,5049	+7,9776
225	———	7	3	17 23,15	3,201	,7470	,5825	,5053	+7,9838

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
181	4	+ 3 18 51,23	+18,040	+9,6107	+8,7187	+1,2562	—9,6395	189	+,005	,00
182	4	+ 9 59 44,00	18,033	+9,5453	+9,1944	,2560	,6403	191	+,011	— ,22
183	2	+18 29 32,36	17,987	+9,4330	+9,4548	,2549	,6447	196	+,007	+ ,15
184	4	+75 8 52,66	17,945	—9,5051	+9,9373	,2539	,6488	195	+,037	— ,07
185	4	+46 17 30,49	17,859	—8,4472	+9,8091	,2518	,6570	207	+,005	+ ,09
186	4	+ 6 7 15,70	17,706	+9,5821	+8,9761	+1,2481	—9,6709	227	+,008	+ ,05
187	4	+ 3 35 27,02	17,695	+9,6053	+8,7458	,2478	,6718	228	,000	+ ,03
188	4	+63 35 33,51	17,647	—9,3655	+9,8969	,2467	,6759	230	+,009	+ ,06
189	4	+ 7 4 18,39	17,639	+9,5705	+9,0365	,2465	,6766	234	+,021	— ,08
190	2	+41 32 26,69	17,612	+7,9031	+9,7657	,2458	,6789	237	+,017	— ,08
191	3	+25 7 40,17	17,562	+9,2742	+9,5710	+1,2446	—9,6830	245	+,014	— ,17
192	4	— 5 7 25,14	17,556	+9,6767	—8,8914	,2445	,6835	246	+,018	— ,07
193	4	+ 8 3 40,93	17,396	+9,5563	+9,0865	,2404	,6961	258	+,014	,00
194	4	+53 32 56,16	17,387	—9,1523	+9,8438	,2402	,6968	255	+,035	— ,14
195	5	+ 8 4 6,01	17,367	+9,5563	+9,0858	,2397	,6983	261	+,011	— ,10
196	4	— 3 6 35,54	17,311	+9,6628	—8,6694	+1,2383	—9,7024	265	+,001	— ,02
197	4	+20 36 2,97	17,252	+9,3560	+9,4815	,2368	,7067	1	+,031	+ ,02
198	4	+19 2 52,21	17,177	+9,3838	+9,4471	,2350	,7120	12	+,007	— ,08
199	4	— 3 9 55,97	17,154	+9,6637	—8,6723	,2343	,7137	17	+,028	— ,08
200	4	+ 3 30 49,38	17,147	+9,6031	+8,7220	,2342	,7141	19	+,009	— ,02
201	2	+56 15 42,10	17,108	—9,2833	+9,8512	+1,2332	—9,7168	21	+,013	+ ,03
202	3	— 3 48 4,41	17,108	+9,6693	—8,7507	,2332	,7168	26	+,013	+ ,05
303	4	+56 17 17,27	17,102	—9,2856	+9,8511	,2330	,7173	22	+,014	+ ,11
204	4	+48 6 40,02	17,084	—8,9956	+9,8026	,2326	,7185	25	+,017	— ,01
205	2	+57 15 19,79	17,078	—9,3117	+9,8553	,2324	,7189	24	+,002	+ ,03
206	4	+ 0 54 31,15	17,074	+9,6284	+8,1422	+1,2323	—9,7193	31	+,014	— ,05
207	3	+56 22 23,96	17,005	—9,3032	+9,8491	,2305	,7238	35	+,002	+ ,10
208	3	+27 59 2,02	16,992	+9,1271	+9,5999	,2302	,7246	38	+,028	+ ,29
209	4	+27 59 2,42	16,994	+9,1271	+9,5999	,2302	,7246	39	+,019	— ,09
210	3	+ 1 28 26,94	16,988	+9,6232	+8,3461	,2301	,7248	40	+,009	+ ,07
211	2	— 3 40 6,08	16,964	+9,6693	—8,7314	+1,2295	—9,7264	44	+,009	+ ,03
212	4	+ 4 35 41,79	16,954	+9,5911	+8,8330	,2293	,7270	45	+,019	— ,12
213	3	—41 50 7,81	16,954	+9,8319	—9,7512	,2292	,7272	50	—,009	+ ,03
214	2	— 7 20 31,50	16,951	+9,6972	—9,0322	,2292	,7272	48	—,004	+ ,03
215	6	— 3 43 28,35	16,842	+9,6702	—8,7341	,2263	,7343	57		— ,17
216	4	+40 43 38,09	16,765	—8,4624	+9,7372	+1,2244	—9,7388	62	+,040	— ,01
217	4	+ 6 59 54,75	16,758	+9,5611	+9,0092	,2242	,7392	63	+,002	+ ,07
218	4	— 3 42 47,68	16,732	+9,6712	—8,7314	,2236	,7407	67	+,001	+ ,07
219	4	— 1 6 14,24	16,734	+9,6474	—8,1983	,2237	,7405	66	+,008	— ,14
220	4	+ 0 12 55,87	16,732	+9,6355	+7,5315	,2236	,7407	68	+,007	— ,13
221	4	+29 8 8,31	16,610	+9,0253	+9,6062	+1,2204	—9,7479	74	+,014	— ,05
222	4	— 0 6 32,94	16,571	+9,6385	—7,0801	,2193	,7502	81	+,016	— ,21
223	4	+51 48 26,73	16,561	—9,2430	+9,8127	,2191	,7507	78	+,010	+ ,08
224	4	+ 9 45 35,00	16,561	+9,5211	+9,1474	,2191	,7507	82	+,016	— ,17
225	4	+ 9 54 15,81	16,537	+9,5185	+9,1533	,2185	,7520	83	+,008	— ,34

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
226	Trianguli	8	5	2 18 35,21	+3,492	+8,7977	+8,6380	+0,5431	+8,4853
227	———	10	3	19 8,74	3,490	,7962	,6387	,5428	+8,4813
228	Persei	8	4	22 12,35	3,592	,8152	,6704	,5553	+8,5624
229	Ceti	9	5	24 20,50	3,154	,7337	,5971	,4989	+7,7706
230	Trianguli	8	3	25 55,43	3,605	,8104	,6801	,3569	+8,5582
231	Persei	8	4	27 6,64	4,016	+8,9171	+8,7918	+0,6038	+8,8000
232	Ceti	8.9	3	27 18,64	3,010	,7282	,6032	,4786	—7,5894
233	Arietis	8	4	28 53,16	3,234	,7335	,6151	,5097	+8,0357
234	Persei	7.8	4	29 18,26	3,997	,9059	,7891	,6017	+8,7828
235	Ceti	9	4	31 22,25	2,887	,7313	,6226	,4604	—8,0644
236	Ceti	7.8	3	32 30,10	3,146	+8,7213	+8,6169	+0,4978	+7,6936
237	Trianguli	8	3	34 53,84	3,528	,7730	,6780	,5475	+8,4556
238	Ceti	9	4	35 20,11	3,099	,7154	,6220	,4912	+7,2863
239	———	8.9	5	35 55,89	3,141	,7158	,6247	,4971	+7,6547
240	Persei	8.9	4	36 41,90	4,108	,9129	,8251	,6136	+8,8027
241	Ceti	7	3	36 45,46	3,128	+8,7140	+8,6260	+0,4953	+7,5612
242	Persei	9	2	37 42,10	4,029	,8903	,8061	,6052	+8,7649
243	Ceti	7.8	2	37 36,96	3,141	,7132	,6286	,4971	+7,7462
244	Arietis	7.8	4	37 58,72	3,243	,7200	,6368	,5109	+8,0233
245	Persei	8	4	39 4,84	4,149	,9162	,8374	,6179	+8,8104
246	Fornacis	8.9	5	40 24,31	2,395	+8,8108	+8,7369	+0,3793	—8,6003
247	Persei	8.9	4	40 32,07	4,154	,9131	,8399	,6185	+8,8068
248	Fornacis	9	4	42 26,54	2,503	,7805	,7143	,3985	—8,5168
249	———	8.9	5	42 29,59	2,536	,7729	,7070	,4041	—8,4906
250	Eridani	9	4	45 26,56	2,920	,7049	,6505	,4654	—7,9225
251	Cassiopeæ	7	4	46 52,90	4,651	+9,0059	+8,9570	+0,6675	+8,9462
252	Persei	8.9	1	49 14,60	4,210	8,9003	,8605	,6243	+8,7951
253	———	7.8	5	49 49,97	3,760	8,7919	,7543	,5752	+8,5764
254	24S ———	7.8	3	51 1,56	3,715	8,7785	,7454	,5700	+8,5423
255	θ Eridani *seq*	6	5	52 3,30	2,277	8,8096	,7800	,3574	—8,6261
256	Eridani	7.8	4	52 52,35	2,470	+8,7633	+8,7370	+0,3927	—8,5011
257	Arietis	8	5	3 0 2,02	3,273	,6829	,6839	,5150	+8,0090
258	———	8.9	5	0 28,51	3,351	,6907	,6932	,5252	+8,1479
259	Persei	7.8	3	2 0,76	4,110	,8392	,8481	,6138	+8,7069
260	———	7.8	4	2 2,73	4,112	,8398	,8486	,6140	+8,7079
261	Camelop.	7.8	4	3 15,12	5,132	+9,0413	+9,0550	+0,7103	+8,9991
262	Eridani	6.7	5	4 55,68	2,517	8,7249	8,7444	,4009	—8,4208
263	Tauri	8.9	5	5 22,36	3,625	8,7248	8,7460	,5593	+8,4231
264	———	8.9	4	7 57,73	3,366	8,6768	8,7078	,5271	+8,1422
265	———	7.8	3	10 27,84	3,398	8,6752	8,7157	,5312	+8,1767
266	Arietis	8	4	13 52,37	3,440	+8,6730	+8,7267	+0,5366	+8,2153
267	Persei	8	5	15 58,19	4,232	,8237	,8856	,6265	+8,7019
268	———	8.9	1	16 25,61	4,211	,8180	,8816	,6244	+8,6924
269	Camelop.	8.9	5	17 44,81	4,510	,8759	,9444	,6542	+8,7883
270	Persei	8.9	1	18 19,07	4,176	,8047	,8755	,6208	+8,6718

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s	″
226	4	+29 7 59,73	+16,477	+9,0086	+9,6026	+1,2169	—9,7553	89	+,017	—0,02
227	2	+28 56 54,30	16,452	9,0138	9,5994	,2162	,7568	92		— ,04
228	4	+33 56 53,69	16,295	8,5401	9,6572	,2120	,7652	103	+,008	,00
229	3	+ 6 13 47,29	16,188	9,5647	8,9441	,2092	,7706	111	+,030	+ ,11
230	4	+34 0 13,33	16,140	8,4314	9,6527	,2070	,7747	117	+,035	— ,08
231	4	+49 46 22,00	16,039	—9,2504	+9,7861	+1,2052	—9,7779	119	+,007	— ,17
232	4	— 4 10 43,13	16,032	+9,6785	—8,7644	,2051	,7781	127	,016	+ ,04
233	4	+11 33 12,77	15,948	+9,4829	+9,2028	,2027	,7823	134	,024	+ ,04
234	2	+48 50 51,86	15,926	—9,2355	+9,7770	,2021	,7833	133	,024	+ ,02
235	4	—12 27 34,61	15,819	+9,7451	—9,2302	,1991	,7884	145	,013	,00
236	4	+ 5 21 49,08	15,754	+9,5729	+8,8677	+1,1974	—9,7911	151	+,002	— ,06
237	5	+28 45 47,06	15,625	+8,8921	9,5744	,1938	,7968	160	,007	— ,04
238	2	+ 2 7 2,94	15,602	+9,6138	8,4621	,1932	,7978	163	,006	— ,05
239	4	+ 4 57 30,15	15,569	+9,5775	8,8291	,1923	,7992	165	,016	— ,17
240	4	+50 51 30,43	15,525	—9,3365	9,7787	,1909	,8013	169	,004	+ ,04
241	2	+ 4 1 0,01	15,525	+9,5899	+8,7362	+1,1910	—9,8010	171	+,016	— ,04
242	2	+48 29 35,28	15,470	—9,2765	9,7621	,1895	,8034	172	,013	— ,08
243	4	+ 4 53 55,45	15,481	+9,5775	8,8207	,1897	,8030	174	,023	— ,23
244	3	+11 34 9,04	15,459	+9,4728	9,1904	,1891	,8040	177	,019	+ ,01
245	4	+51 35 50,55	15,391	—9,3674	9,7796	,1873	,8066	180	,006	+ ,17
246	4	—38 2 6,63	15,320	+9,8686	—9,6728	+1,1853	—9,8094	187	+,025	+ ,01
247	5	+51 31 6,60	15,309	—9,3711	+ ,7767	,1849	,8099	184	,021	+ ,09
248	4	—33 3 46,08	15,207	+9,8567	— ,6164	,1820	,8139	196	,007	+ ,24
249	4	—31 29 54,32	15,203	+9,8513	— ,5976	,1819	,8140	197	,004	+ ,04
250	5	— 9 31 23,11	15,030	+9,7300	— ,0926	,1770	,8205	209	,004	— ,07
251	6	+60 37 31,65	14,947	—9,5658	+9,8128	+1,1745	—9,8237	211	+,012	+ ,09
252	2	+51 41 40,02	14,805	—9,4150	+ ,7633	,1704	,8287	222	—,006	+ ,10
253	4	+37 28 25,27	14,772	—8,8261	+ ,6520	,1695	,8298	223	—,006	— ,05
254	4	+35 27 38,65	14,702	—8,6232	+ ,6292	,1674	,8323	227	+,002	— ,17
255	4	—40 57 52,78	14,647	+9,8893	— ,6803	,1657	,8342	239	—,007	+ ,04
256	4	—33 9 47,92	14,595	+9,8681	—9,6001	+1,1642	—9,8359	243	,000	— ,02
257	4	+12 13 37,17	14,157	+9,4377	+ ,1751	,1509	,8500	263	+,013	— ,08
258	4	+16 37 56,72	14,132	+9,3284	+ ,3054	,1502	,8507	266	,010	— ,02
259	3	+47 29 17,27	14,032	—9,3674	+ ,7126	,1470	,8539	268	,000	— ,14
260	4	+47 33 15,82	14,032	—9,3692	+ ,7131	,1470	,8539	269	,008	— ,02
261	2	+65 2 26,76	13,948	—9,6702	+9,8001	+1,1445	—9,8562	1	+,001	— ,07
262	4	—29 46 56,94	13,852	+9,8669	— ,5354	,1415	,8590	10	—,010	— ,09
263	4	+29 56 23,31	13,822	+8,1461	+ ,5369	,1406	,8598	9	—,001	— ,10
264	4	+16 57 55,28	13,657	+9,3032	+ ,2989	,1353	,8645	21	+,015	+ ,06
265	6	+18 28 32,25	13,498	+9,2480	+ ,3298	,1303	,8688	33	,012	+ ,08
266	4	+20 22 43,16	13,278	+9,1643	+9,3633	+1,1231	—9,8747	46	+,008	— ,16
267	2	+49 1 10,61	13,132	—9,4579	,6945	,1183	,8782	52	—,002	+ ,01
268	1	+48 28 57,05	13,101	—9,4456	,6898	,1173	,8790	53	+,008	— ,09
269	4	+54 47 57,10	13,017	—9,5694	,7249	,1145	,8810	58	+,005	+ ,10
270	2	+47 24 13,98	12,977	—9,4265	,6783	,1132	,8820	61	+,023	+ ,10

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
271	Persei	8	4	3 21 45,95	+4,190	+8,7967	+8,8809	+0,6222	+8,6637
272	Tauri	9	3	22 21,73	3,508	,6623	,7485	,5451	+ ,5260
273	———	9	4	25 55,73	3,415	,6404	,7404	,5334	+ ,1389
274	———	9	4	26 51,97	3,368	,6326	,7361	,5274	+ ,0716
275	———	8	5	26 56,38	3,440	,6409	,7450	,5366	+ ,1651
276	Persei	8	4	26 58,17	3,689	+8,6803	+8,7844	+0,5669	+8,3871
277	Fornacis	9	2	32 15,75	2,487	,6587	,7831	,3957	— ,3380
278	Tauri	8	5	32 38,12	3,506	,6348	,7601	,5448	+ ,2134
279	———	8	4	33 19,65	3,391	,6184	,7473	,5303	+ ,0785
280	Persei	8	5	33 48,12	4,226	,7656	,8966	,6259	+ ,6307
281	Tauri	8	4	34 6,78	3,463	+8,6250	+8,7571	+0,5394	+8,1632
282	Persei	9	4	35 10,40	4,229	,7617	,8981	,6262	,6265
283	Pleiadum	8	3	35 42,84	3,521	,6283	,7668	,5467	,2148
284	———	8	3	35 53,30	3,545	,6315	,7708	,5496	,2379
285	Camelop.	7.8	4	38 19,22	4,945	,8852	9,0346	,6942	,8220
286	Pleiadum	7.8	4	40 0,34	3,537	+8,6186	+8,7742	+0,5486	+8,2144
287	Persei	8	5	40 49,96	4,403	,7765	,9359	,6437	+8,6643
288	Pleiadum	8	7	41 36,49	3,575	,6190	,7813	,5533	+8,2398
289	Eridani	8	4	42 13,69	2,961	,5780	,7425	,4714	—8,5648
290	Pleiadum	7.8	4	42 23,94	3,575	,6168	,7824	,5533	+7,2376
291	*f'* Eridani	8	4	42 32,88	2,203	+8,6793	+8,8449	+0,3430	—8,4698
292	Cephei	6.7	4	42 59,07	9,506	9,3440	9,5131	,9780	+9,3377
293	Tauri	9	4	45 16,09	3,405	8,5864	8,7634	,5321	+8,0490
294	Eridani	8.9	3	47 2,39	2,962	8,5643	8,7485	,4716	—7,5419
295	Persei	8	1	49 10,71	3,997	8,6686	8,8622	,6017	+8,4726
296	Persei	8	4	50 15,12	4,002	+8,6660	+8,8640	+0,6023	+8,4727
297	Tauri	8.9	3	51 5,27	3,478	,5769	,7784	,5413	+8,1096
298	———	8.9	5	51 7,91	3,478	,5770	,7784	,5413	+8,1100
299	———	8.9	4	52 35,47	3,526	,5784	,7860	,5473	+8,1517
300	Eridani	8.9	3	53 58,88	3,027	,5419	,7551	,4810	—7,1024
301	Horologii	9	4	53 58,93	1,953	+8,6876	+8,9005	+0,2907	—8,5322
302	Eridani	8	4	54 45,89	3,120	,5393	,7563	,4941	+7,2016
303	———	8	4	54 47,74	3,120	,5394	,7563	,4941	+7,2204
304	Tauri	8.9	3	55 39,91	3,521	,5678	,7885	,5467	+8,1342
305	Eridani	8.9	4	55 42,61	2,435	,5942	,8149	,3865	—8,2793
306	Persei	9	2	56 36,35	4,425	+8,7228	+8,9478	+0,6459	+8,6056
307	———	7.8	4	56 39,77	3,954	,6342	,8594	,5970	,4201
308	Tauri	7.8	5	56 41,23	3,655	,5832	,8085	,5629	,2415
309	———	9		57	3,655	,5817	,8089	,5629	,2397
310	———	8.9	3	59 26,79	3,418	,5431	,7802	,5338	,0057
311	Camelop.	8.9	4	4 1 29,28	4,674	+8,7487	+8,9952	+0,6697	+8,6572
312	———	8	4	1 38,26	4,457	,7090	,9561	,6490	+8,5937
313	Eridani	9.10	4	1 59,83	2.619	,5460	,7940	,4181	—8,1030
314	Tauri	8	4	2 38,57	3,106	,5138	,7647	,4922	+7,0343
315	———	8.9	4	3 45,82	3,290	,5168	,7734	,5172	+7,7888

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
271	4	+47 23 17,48	+12,745	—9,4377	+9,6703	+1,1053	—9,8875	74	+,022	+0,05
272	3	+23 4 58,17	12,713	+8,9823	,3958	,1041	,8883	78	+,012	— ,10
273	5	+18 21 6,18	12,468	+9,2175	,2923	,0958	,8937	90	+,016	+ ,04
274	4	+15 55 47,37	12,404	+9,3032	,2306	,0936	,8951	92	—,005	— ,26
275	4	+19 31 8,68	12,400	+9,1643	,3155	,0932	,8953	93	+,011	— ,14
276	3	+30 34 35,44	12,394	—8,4150	+9,4980	+1,0932	—9,8953	91	+,009	— ,02
277	4	—28 33 26,52	12,034	+9,8825	— ,4578	,0804	,9029	117	+,023	+ ,05
278	4	+22 15 32,51	12,002	+8,9956	+ ,3558	,0792	,9036	115	+,018	+ ,01
279	4	+16 45 44,79	11,955	+9,2648	,2357	,0775	,9045	120	—,004	+ ,06
280	3	+47 8 13,34	11,917	—9,4683	,6394	,0762	,9053	119	+,004	+ ,02
281	4	+20 11 24,01	11,898	+9,1106	+9,3117	+1,0755	—9,9056	124	+,014	— ,15
282	4	+47 5 5,84	11,824	—9,4728	,6356	,0727	,9071	127	,018	+ ,23
283	4	+22 41 9,22	11,786	+8,9445	,3559	,0714	,9079	133	,005	— ,01
284	3	+23 49 0,90	11,773	+8,8451	,3753	,0708	,9081	135	,014	,00
285	2	+59 49 40,56	11,592	—9,6875	,6990	,0641	,9116	148	,011	— ,07
286	3	+23 12 24,40	11,482	+8,8808	+9,3538	+1,0600	—9,9136	163	+,013	+ ,05
287	5	+50 32 59,61	11,415	—9,5551	+9,6433	,0575	,9149	167	,015	— ,04
288	4	+24 39 37,36	11,367	+8,6902	+9,3742	,0555	,9168	175	,011	— ,05
289	3	— 5 34 44,80	11,323	+9,7093	—8,7388	,0540	,9165	181	,016	— ,11
290	4	+24 40 14,06	11,303	+8,6902	+9,3720	,0532	,9169	179	,027	— ,13
291		—38 7	11,304	+9,9299	—9,5417	+1,0532	—9,9169	182	+,016	
292	4	+80 13 44,89	11,242	—9,8710	+9,7425	,0508	,9180	160	—,021	+ ,03
293	2	+16 51 14,10	11,102	+9,2380	+9,2060	,0454	,9204	192	+,015	+ ,01
294	5	— 5 27 53,34	10,975	+9,7093	—8,7160	,0404	,9226	200	—,001	— ,59
295	4	+39 32 17,55	10,808	—9,3032	+9,5358	,0338	,9254	204	+,008	— ,07
296	5	+39 37 30,21	10,730	—9,3096	+9,5334	+1,0306	—9,9267	207	+,007	— ,15
297	2	+19 55 5,22	10,671	+9,0755	+9,2589	,0282	,9276	211	,012	+ ,54
298	6	+19 56 33,29	10,671	+9,0755	+9,2592	,0282	,9276	212	,017	— ,02
299	3	+21 57 37,22	10,562	+8,9243	+9,2950	,0237	,9294	219	,007	+ ,04
300	5	— 2 5 40,71	10,463	+9,6674	—8,2782	,0196	,9309	225	,011	— ,18
301	4	—44 23 6,78	10,467	+9,9571	—9,5625	+1,0198	—9,9308	230	+,014	+ ,07
302	4	+ 2 37 1,45	10,398	9,5955	+8,3772	,0169	,9319	231	,007	+ ,03
303	4	+ 2 43 38,73	10,398	9,5933	+8,3960	,0169	,9319	233	,009	— ,07
304	4	+21 36 23,13	10,332	8,9395	+9,2786	,0142	,9329	237	,023	+ ,07
305	5	—28 59 19,20	10,337	9,9004	—9,3974	,0142	,9329	241	,011	— ,05
306	1	+49 45 7,24	10,258	—9,5752	+9,5918	+1,0117	—9,9340	239	+,019	— ,14
307	4	+37 38 7,84	10,253	—9,2577	,4948	,0108	,9341	242	+,022	— ,23
308	2	+27 4 20,96	10,253	—7,6990	,3672	,0108	,9341	244	—,004	+ ,08
309	6	+27 3 52,19	10,218	—7,6990	,3654	,0094	,9346	246		— ,01
310	4	+16 51 5,65	10,047	+9,2148	,1627	,0020	,9372	250	+,019	— ,04
311	4	+54 5 41,32	9,885	—9,6542	+9,6015	+0,9950	—9,9395	257	—,006	— ,01
312	4	+50 2 51,11	9,875	—9,5888	+9,5772	,9945	,9396	259	+,021	— ,14
313	4	—21 8 26,76	9,859	+9,8567	—9,2488	,9939	,9398	2	,016	— ,06
314	4	+ 1 53 13,04	9,804	+9,6074	+8,2102	,9916	,9405	5	,006	+ ,02
315	4	+10 44 45,08	9,722	+9,4200	+8,9572	,9878	,9417	9	,018	+ ,03

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
316	Eridani	9.10	2	4 4 40,96	+2,919	+8,5100	+8,7701	+0,4652	—7,6110
317	Tauri	8	3	4 59,87	3,287	,5128	,7745	,5168	+7,7782
318	———	8	5	6 42,60	3,187	,5015	,7710	,5034	+7,5061
319	———	9	4	7 29,97	3,207	,4997	,7731	,5061	+7,5710
320	Persei	8	3	12 7,40	4,512	,6756	,9704	,6544	+8,5628
321	Tauri	9	4	12 26,16	3,067	+8,4787	+8,7744	+0,4867	—6,2212
322	Horologii	6.7	4	14 5,71	1,886	8,6206	8,9238	,2755	—8,4674
323	Tauri	8	2	16 35,81	3,532	8,4928	8,8085	,5480	+8,0494
324	Camelop.	9	4	17 38,42	10,067	9,2237	9,5466	1,0029	+9,2202
325	Tauri	7.8	4	18 17,38	3,538	8,4864	8,8105	0,5488	+8,0457
326	Tauri	8	3	18 58,63	3,413	+8,4701	+8,7975	+0,5331	+7,9091
327	Camelop.	8	3	20 32,93	10,208	9,2206	9,5579	1,0090	9,2144
328	Tauri	9.10	4	21 54,56	3,379	8,4548	8,7968	0,5288	7,8490
329	Persei	9	4	22 32,87	4,194	,5724	,9177	0,6226	8,4041
330	Tauri	8	4	26 3,31	3,505	,4492	,8126	0,5447	7,9755
331	Tauri	9	4	26 35,20	3,281	+8,4283	+8,7934	+0,5160	+7,6614
332	Eridani	8	2	27 27,67	2,882	,4222	,7926	,4597	—7,5986
333	———	8.9	4	29 17,19	2,878	,4143	,7942	,4591	—7,5973
334	———	9.10	2	29 29,06	3,004	,4088	,7898	,4777	—7,1228
335	———	7.8	4	30 29,26	2,341	,4708	,8571	,3694	—8,1830
336	Eridani	8	2	30 58,30	2,882	+8,4064	+8,7953	+0,4597	—7,5786
337	———	7	4	31 14,99	2,796	,4106	,8009	,4465	—7,7437
338	———	8.9	4	31 26,47	2,303	,4697	,8611	,3623	—8,1906
339	τ^1 Tauri	8.9	4	32 22,26	3,585	,4295	,8263	,5545	+8,0147
340	Eridani	7.8	4	35 27,19	2,527	,4177	,8313	,4026	—8,0182
341	2*d*55 Eridani	7.8	4	35 43,32	2,869	+8,3841	+8,7995	+0,4577	—7,5832
342	———	9	4	35 54,90	2,993	,3784	,7949	,4761	—7,1599
343	Tauri	8	4	36 31,58	3,485	,3976	,8176	,5422	+7,8991
344	Eridani	8	3	37 56,16	2,396	,4230	,8506	,3795	—8,0981
345	———	7	4	38 1,39	2,573	,3988	,8272	,4104	—7,9645
346	Camelop.	8	4	38 10,12	5,901	+8,7588	+9,1891	+0,7709	+8,7200
347	Tauri	8	4	40 8,98	3,419	,3726	8,8135	,5339	+7,8026
348	Camelop.	7.8	3	40 56,02	6,109	,7684	9,2153	,7860	+8,7341
349	Orionis	8	4	41 28,84	3,215	,3521	8,8010	,5072	+7,4169
350	Cel. Sculp.	8	4	43 12,04	2,173	,4288	8,8877	,3371	—8,1913
351	Eridani	8	4	43 37,98	2,943	+8,3398	+8,8016	+0,4688	—7,3330
352	Cel. Sculp.	8	4	43 56,10	2,172	,4248	8,8882	,3367	—8,1873
353	Camelop.	7.8	4	45 55,11	7,447	,8788	9,3568	,8720	+8,8613
354	Orionis	7.8	4	46 16,41	2,991	,3225	8,8020	,4758	—7,1092
355	Camelop.	9	4	46 25,98	5,830	,7003	9,1809	,7657	+8,6588
356	Eridani	9	3	48 1,20	2,944	+8,3148	+8,8043	+0,4689	—7,3029
357	Orionis	8	4	48 24,14	3,135	,3110	8,8031	,4962	+7,3460
358	Camelop.	8.9	4	48 46,78	5,289	,6107	9,1063	,7234	+8,5490
359	Orionis	8.9	3	49 36,17	3,099	,3034	8,8033	,4912	+6,6965
360	Tauri	9	4	49 39,35	3,393	,3165	8,8169	,5306	+7,7092

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
316	4	— 7 15 32,02	+9,651	+9,7332	—8,7836	+0,9846	—9,9427	15	+,024	+0,06
317	4	+10 36 13,10	9,625	+9,4232	+8,9468	,9834	,9431	16	+,010	— ,10
318	4	+ 5 47 10,52	9,492	+9,5353	+8,6799	,9774	,9448	24	—,001	— ,29
319	5	+ 6 44 51,33	9,430	+9,5145	+8,7440	,9748	,9456	28	+,009	— ,07
320	3	+50 27 31,31	9,068	—9,6149	+9,5428	,9575	,9503	44	+,018	+ ,17
321	4	— 0 19 25,37	9,048	+9,6425	—7,3973	+0,9568	—9,9505	52	+,014	— ,02
322	2	—44 40 3,36	8,928	+9,9722	—9,4956	,9507	,9520	65	+,022	— ,38
323	4	+21 5 32,03	8,723	+8,9085	+9,1953	,9407	,9544	76	+,018	+ ,04
324	4	+80 12 4,43	8,608	—9,9117	+9,6265	,9349	,9557	59	+,022	— ,08
325	4	+21 14 56,21	8,587	+8,8808	+9,1914	,9338	,9560	82	+,019	+ ,09
326	3	+15 55 46,11	8,534	+9,2253	+9,0682	+0,9311	—9,9566	86	+,009	+ ,07
327	4	+80 19 15,02	8,375	—9,9154	+9,6148	,9230	,9583	77	+,032	— ,11
328		+14 19	8,301	+9,2878	+9,0113	,9191	,9591	106	+,010	
329	4	+42 43 57,80	8,248	—9,4757	+9,4461	,9163	,9597	107	—,008	— ,03
330	4	+19 37 28,03	7,965	+9,0043	+9,1256	,9012	,9627	119	+,011	— ,07
331	3	+ 9 49 34,73	7,928	+9,4330	+8,8311	+0,8999	—9,9630	127	+,006	— ,16
332	4	— 8 38 6,83	7,858	9,7536	—8,7698	,8953	,9638	131	+,001	+ ,02
333	3	— 8 45 47,06	7,713	9,7551	—8,7683	,8872	,9652	141	+,005	+ ,18
334	4	— 2 58 49,90	7,697	9,6821	—8,2983	,8863	,9653	142	+,006	+ ,07
335	4	—31 3 11,00	7,616	9,9289	—9,2920	,8817	,9661	151	—,010	— ,04
336		— 8 33	7,579	+9,7536	—8,7498	+0,8796	—9,9665	152	—,004	
337	2	—12 27 10,10	7,557	9,7945	—8,9094	,8783	,9667	154	+,012	+ ,02
338	3	—31 44 31,85	7,541	9,9325	—9,2964	,8774	,9669	156	+,008	+ ,04
339	2	+22 37 15,56	7,460	8,6335	+9,1560	,8727	,9676	158	—,001	— ,08
340	4	—23 29 33,58	7,215	9,8865	—9,1567	,8583	,9699	171	+,014	+ ,06
341	3	— 9 6 29,35	7,188	+9,7604	—8,7537	+0,8566	—9,9701	173	—,010	+ ,04
342	2	— 3 28 41,50	7,172	9,6893	—8,3352	,8556	,9702	174	+,023	+ ,03
343	4	+18 29 37,46	7,123	9,0607	+9,0522	,8527	,9707	177	+,002	— ,01
344	4	—28 15 22,07	7,014	9,9164	—9,2191	,8460	,9716	188	+,014	+ ,08
345	4	—21 35 19,32	7,003	9,8745	—9,1090	,8453	,9717	186	+,016	+ ,03
346	3	+66 9 1,11	6,976	—9,8338	+9,5028	+0,8436	—9,9720	180	—,037	,00
347	3	+15 35 45,34	6,828	+9,2175	+8,9624	,8343	,9732	194	+,026	— ,01
348	4	+67 30 1,61	6,746	—9,8476	+9,4927	,8290	,9739	193	—,009	+ ,06
349	4	+ 6 39 36,84	6,718	+9,5079	+8,5901	,8272	,9741	205	+,012	+ ,09
350	3	—35 22 46,52	6,580	+9,9542	—9,2788	,8183	,9752	220	+,019	+ ,03
351	3	— 5 39 32,89	6,542	+9,7202	—8,5070	+0,8157	—9,9755	219	+,023	— ,01
352	2	—35 23 12,90	6,520	+9,9547	—9,2748	,8142	,9757	223	+,030	+ ,01
353	2	+73 50 27,53	6,324	—9,8976	+9,4817	,8010	,9772	218	—,030	— ,03
354	4	— 3 29 52,83	6,321	+9,6911	—8,2845	,8008	,9772	238	+,017	+ ,08
355	4	+65 18 38,30	6,293	—9,8338	+9,4554	,7989	,9775	225	—,006	— ,06
356	4	— 5 35 23,97	6,177	+9,7202	—8,4769	+0,7908	—9,9783	248	+,012	— ,08
357	2	+ 3 1 16,02	6,144	+9,5821	+8,2101	,7884	,9786	249	+,020	+ ,03
358	4	+60 10 15,31	6,100	—9,7853	+9,4216	,7853	,9789	242	—,013	— ,20
359	4	+ 1 24 58,22	6,044	+9,6128	+7,8724	,7813	,9793	258	+,015	+ ,04
360	1	+14 17 29,19	6,038	+9,2672	+8,8716	,7809	,9793	255	+,014	— ,06

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
361	Orionis	8.9	3	4 50 59,82	+3,296	+8,3016	+8,8109	+0,5180	+7,5477
362	———	7	3	51 19,89	3,280	,2987	,8102	,5159	+7,5140
363	Eridani	8.9	3	51 28,95	2,652	,3138	,8262	,4236	—7,8050
364	Orionis	8	4	53 28,81	3,086	,2794	,8055	,4894	+6,4333
365	———	8.9	2	53 31,67	3,099	,2791	,8056	,4912	+6,6618
366	2 Leporis	5	3	54 18,92	2,594	+8,3020	+8,8337	+0,4140	—7,8420
367	Orionis	9	4	57 59,08	3,208	,2520	,8105	,5062	+7,2854
368	———	8.9	4	58 50,73	2,947	,2458	,8103	,4694	—7,2181
369	Aurigæ	8.9	3	59 31,40	4,439	,4024	,9728	,6473	+8,2646
370	Orionis	8.9	4	5 2 1,12	2,976	,2221	,8110	,4736	—7,0729
371	Orionis	7.8	4	2 54,87	2,796	+8,2240	+8,8197	+0,4465	—7,5365
372	Camelop.	7	3	3 11,95	9,237	,8960	9,4976	,9655	+8,8866
373	———	8	4	4 17,46	9,079	,8766	9,4868	,9580	+8,8667
374	Orionis	9	4	5 5,23	2,880	,2024	8,8159	,4594	—7,3592
375	———	7.8	4	5 40,56	2,878	,1978	8,8163	,4591	—7,3589
376	Tauri	7	4	7 9,19	3,497	+8,2038	+8,8347	+0,5437	+7,6996
377	Orionis	7	4	7 11,49	2,909	,1841	,8156	,4637	—7,2690
378	Tauri	7.8	2	7 49,26	3,541	,2024	,8396	,5491	+7,7357
379	Cel. Sculp.	7.8	2	7 57,46	2,122	,2669	,9047	,3267	—8,0362
380	Columbæ	7.8	3	8 2,83	2,400	,2250	,8634	,3802	—7,8843
381	Aurigæ	8	3	8 35,02	3,941	+8,2493	+8,8935	+0,5956	+7,9048
382	Orionis	9	4	8 59,63	2,905	,1694	,8165	,4631	—7,2624
383	———	9	4	9 37,71	3,379	,1724	,8254	,5288	+7,5374
384	———	9	4	10 48,52	3,378	,1620	,8259	,5287	+7,5259
385	———	7.8	4	11 15,90	3,122	,1469	,8145	,4944	+6,7597
386	Aurigæ	8.9	4	12 41,26	3,772	+8,1887	+8,8700	+0,5766	+7,8645
387	———	8	4	12 50.07	5,107	,3986	9,0824	,7082	+8,3237
388	Orionis	7.8	4	14 37,91	3,094	,1161	8,8155	,4905	+6,4123
389	———	8.9	4	15 55,77	3,145	,1040	8,8166	,4976	+6,8728
390	———	8	3	16 26,63	3,007	,0991	8,8165	,4781	—6,7640
391	Orionis	8.9	4	16 35,66	3,092	+8,0967	+8,8162	+0,4902	+6,3528
392	———	7.8	3	16 40,74	3,109	,0955	,8165	,4926	+6,5886
393	Tauri	9	4	18 4,45	3,442	,0981	,8336	,5368	+7,5357
394	Leporis	7.8	4	18 6,30	2,758	,0929	,8284	,4406	—7,4536
395	———	8	4	18 30,61	2,763	,0883	,8282	,4414	—7,4421
396	Tauri	8.9	4	19 13,44	3,555	+8,0972	+8,8450	+0,5508	+7,6378
397	Orionis	9	5	19 50,96	2,873	,0676	,8220	,4583	—7,2348
398	Tauri	9	4	20 21,96	3,611	,0911	,8515	,5576	+7,6722
399	Orionis	8	4	20 51,14	2,871	,0575	,8224	,4580	—7,2280
400	———	9	4	21 14,54	3,038	,0476	,8178	,4826	—6,4089
401	Orionis	7.8	3	21 20,51	3,047	+8,0468	+8,8178	+0,4839	—6,2509
402	Tauri	8.9	4	22 13,81	3,735	,0857	8,8676	,5723	+7,7405
403	Orionis	8	4	22 28,97	3,142	,0346	8,8188	,4972	+6,7836
404	Camelop.	6.7	3	23 8,17	4,974	,2595	9,0532	,6967	+8,1845
405	Tauri	7.8	4	24 44,30	3,737	,0557	8,8684	,5725	+7,7108

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
361	4	+10 8 10,37	+5,927	+9,4133	+8,7169	+0,7728	—9,9801	265	—,022	— ,22
362	2	+ 9 26 48,70	5,899	9,4330	+8,6842	,7708	,9803	267	+,018	— ,12
363	4	—18 3 44,48	5,888	9,8506	—8,9591	,7700	,9804	268	+,011	+ ,05
364	4	+ 0 48 9,45	5,721	9,6232	+7,6094	,7574	,9815	277	+,021	+ ,09
365	4	+ 1 21 51,71	5,715	9,6138	+7,8878	,7570	,9816	279	—,001	— ,20
366	4	—20 17 46,51	5,653	+9,8692	—8,9902	+0,7523	—9,9820	285	+,012	— ,04
367	4	+ 6 11 43,28	5,340	+9,5145	+8,4589	,7275	,9840	299	+,034	— ,01
368	4	— 5 23 26,16	5,272	+9,7177	—8,3923	,7220	,9844	306	+,023	— ,16
369	4	+46 43 41,36	5,200	—9,6085	+9,2766	,7164	,9848	301	+,013	+ ,17
370	3	— 4 3 52,09	5,001	+9,7007	—8,2479	,6991	,9860	2	+,007	,00
371	4	—11 51 30,74	4,928	+9,7952	—8,7032	+0,6927	—9,9865	4	+,025	— ,01
372	4	+78 7 49,21	4,866	—9,9345	+9,3758	,6872	,9868	311	+,019	+ ,05
373	4	+77 48 24,75	4,776	—9,9330	+9,3671	,6790	,9873	317	+,010	— ,02
374	4	— 8 15 54,98	4,741	+9,7543	—8,5308	,6759	,9875	12	+,030	+ ,03
375	4	— 8 20 46,09	4,690	+9,7559	—8,5304	,6712	,9878	15	+,012	+ ,04
376	4	+18 15 0,00	4,565	+9,0294	+8,8533	+0,6595	—9,9884	20	+,017	+ ,10
377	4	— 6 59 51,23	4,560	9,7396	—9,4418	,6589	,9885	24	+,002	+ ,08
378	4	+19 56 53,04	4,503	8,8751	+8,8849	,6535	,9887	25	+,006	— ,14
379	4	—36 1 3,76	4,497	9,9657	—9,1202	,6530	,9888	30	+,006	— ,04
380	4	—27 9 21,86	4,492	9,9196	—9,0097	,6524	,9888	29	+,007	+ ,10
381	2	+33 48 14,12	4,435	—9,2601	+9,0904	+0,6469	—9,9891	27	+,002	— ,01
382	4	— 7 7 21,38	4,406	+9,7419	—8,4352	,6441	,9892	33	+,007	— ,08
383	5	+13 23 13,12	4,350	+9,2923	+8,7015	,6384	,9895	38	—,007	— ,02
384	6	+13 22 23,49	4,247	+9,2923	+8,6901	,6281	,9900	46	+,008	— ,08
385	3	+ 2 20 33,34	4,213	+9,5955	+7,9354	,6246	,9902	49	+,015	— ,07
386	3	+28 18 14,44	4,087	—8,9138	+8,9853	+0,6114	—9,9908	53	+,015	+ ,04
387	3	+57 18 42,32	4,065	—9,7708	+9,2322	,6090	,9909	50	+,006	+ ,06
388	4	+ 1 7 39,25	3,928	+9,6180	+7,5883	,5941	,9915	67	+,018	+ ,07
389	4	+ 3 21 38,10	3,813	+9,5740	+8,0481	,5813	,9920	73	+,007	+ ,08
390	4	— 2 39 14,63	3,773	+9,6794	—7,9397	,5767	,9922	82	—,050	,00
391	4	+ 1 1 50,81	3,755	+9,6191	+7,5288	+0,5747	—9,9922	83	+,013	,00
392	4	+ 1 46 8,55	3,744	9,6053	+7,7644	,5734	,9923	84	—,001	— ,03
393	4	+15 53 35,53	3,624	9,1703	+8,6949	,5592	,9928	89	+,012	+ ,01
394	3	—13 16 48,16	3,624	9,8116	—8,6180	,5592	,9928	93	+,009	— ,06
395	3	—13 3 13,86	3,590	9,8096	—8,6068	,5550	,9929	96	+,007	+ ,28
396	4	+20 17 59,52	3,526	+8,8129	+8,7859	+0,5473	—9,9932	100	+,012	— ,17
397	4	— 8 28 12,90	3,475	9,7589	—8,4061	,5409	,9934	104	+,006	+ ,06
398	4	+22 24 14,29	3,429	8,4150	+8,8142	,5351	,9935	105	+,006	+ ,06
399	3	— 8 30 57,11	3,394	9,7597	—8,3993	,5307	,9937	109	+,018	+ ,09
400	4	— 1 19 29,84	3,354	9,6599	—7,5849	,5256	,9938	110	+,020	— ,17
401	4	— 0 56 13,40	3,348	+9,6532	—7,4269	+0,5248	—9,9938	111	+,010	— ,07
402	4	+26 51 13,49	3,268	—8,7634	+8,8671	,5143	,9938	115	+,011	+ ,08
403	4	+ 3 13 16,87	3,251	+9,5775	+7,9590	,5120	,9942	121	+,004	— ,05
404	3	+54 18 31,16	3,181	—9,7551	+9,1157	,5026	,9945	117	—,0[illegible]5	— ,05
405	4	+26 51 27,37	3,049	—8,7781	+8,8372	,4842	,9949	131	+,013	,00

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
406	Camelop.	8.9	3	5 27 32,46	+5,507	+8,2899	+9,1411	+0,7409	+8,2339
407	———	7	4	28 2,71	4,851	8,1868	9,0445	,6858	+8,0915
408	Aurigæ	8	4	30 13,41	3,922	8,0083	8,8957	,5935	+7,7420
409	Orionis	8.9	4	30 20,76	3,162	7,9329	8,8214	,5000	+6,7819
410	———	9	2	30 31,88	3,006	7,9294	8,8209	,4780	—6,5998
411	Orionis	7	3	30 33,41	3,006	+7,9294	+8,8209	+0,4780	—6,5998
412	———	7	5	30 58,54	2,945	,9248	,8223	,4691	—6,8890
413	Columbæ	7	2	31 14,65	2,342	,9760	,8775	,3696	—7,6576
414	———	8	2	32 10,02	2,335	,9625	,8786	,3683	—7,6472
415	Orionis	8	3	32 46,42	3,515	,9174	,8442	,5459	+7,4215
416	Orionis	9	4	32 50,04	3,523	+7,9171	+8,8450	+0,5469	+7,4279
417	Columbæ	9	2	32 56,14	2,308	7,9547	8,8826	,3632	—7,6512
418	Orionis	8.9	3	34 38,80	3,519	7,8868	8,8450	,5464	+7,3939
419	Camelop.	9	4	35 38,68	4,895	8,0736	9,0519	,6897	+7,9813
420	Orionis	9	3	38 7,66	3,440	7,8139	8,8384	,5366	+7,2449
421	Aurigæ	8	3	39 16,22	3,891	+7,8445	+8,8925	+0,5901	+7,5656
422	Tauri	8.9	3	40 7,98	3,397	,7698	,8352	,5311	7,1494
423	Orionis	8	4	42 11,01	3,539	,7344	,8482	,5489	7,2576
424	———	7	3	43 39,67	3,212	,6736	,8253	,5068	6,7047
425	———	9	4	44 22,79	3,397	,6638	,8358	,5311	7,0434
426	Leporis	9	4	44 36,76	2,560	+7,6747	+8,8524	+0,4082	—7,2264
427	Orionis	7	3	44 38,87	3,214	,6459	,8255	,5070	+6,6817
428	Columbæ	8.9	5	46 11,50	2,101	,6908	,9148	,3224	—7,4593
429	Aurigæ	8	2	48 47,46	3,764	,5545	,8756	,5756	+7,2194
430	Orionis	7.8	4	49 42,81	3,110	,4667	,8237	,4928	+5,9717
431	Orionis	9	4	50 11,41	3,345	+7,4550	+8,8327	+0,5244	+6,7633
432	———	8	4	53 23,72	3,493	,2908	,8447	,5432	6,7730
433	Geminor.	8	4	53 42,58	3,765	,2942	,8761	,5758	6,9595
434	Orionis	8	4	53 42,59	3,249	,2506	,8277	,5117	6,3776
435	———	8.9	4	55 45,96	3,437	,0817	,8398	,5362	6,5073
436	Geminor.	8	2	56 10,88	3,735	+7,0683	+8,8722	+0,5723	+6,7184
437	Orionis	6.7	4	56 13,56	3,195	7,0138	8,8258	,5045	5,9901
438	Aurigæ	7.8	4	56 15,87	4,116	7,1077	8,9279	,6145	6,8980
439	Orionis	8.9	3	56 48,48	3,364	6,9415	8,8343	,5269	6,2768
440	Camelop.	7	3	58 54,13	6,644	6,7436	9,2799	,8224	6,7153
441	1.41 Aurigæ	7	4	59 3,11	4,592	+6,4685	+9,0048	+0,6620	+6,3446
442	Leporis			6 0	2,499	—5,8010	8,8601	,3978	+5,3944
443	Camelop.	8	4	1 32,39	5,314	7,0261	9,1152	,7254	—6,9603
444	Columbæ	8	4	1 38,79	2,061	6,8167	8,9216	,3141	+6,5964
445	Aurigæ	8	3	2 44,73	4,472	7,1120	8,9855	,6505	—6,9721
446	Geminor.	9	4	4 7,81	3,663	—7,1399	+8,8632	+0,5638	—6,7498
447	———	8		4	3,663	7,1464	8,8631	,5638	—6,7557
448	Lyncis	8	3	4 26,09	5,345	7,4410	9,1198	,7279	—7,3768
449	Orionis	7	3	5 16,28	3,453	7,2240	8,8411	,5382	—6,6665
450	Monocer.	8	2	7 46,64	2,924	7,3692	8,8262	,4660	+6'4003

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
406	4	+61 30 20,19	+2,795	—9,8215	+9,0884	+0,4464	—9,9957	143	—,023	+0,11
407	4	+53 24 14,80	2,755	—9,7292	+9,0428	,4401	,9959	146	+,011	— ,51
408	3	+32 47 54,55	2,576	—9,2355	+8,8307	,4109	,9964	168	+,016	— ,08
409	4	+ 4 2 17,88	2,570	+9,5599	+7,9569	,4099	,9964	170	+,017	— ,08
410	2	— 2 42 0,19	2,553	+9,6803	—7,7754	,4070	,9964	173	+,005	+ ,04
411	4	— 2 41 40,42	2,553	+9,6803	—7,7754	+0,4070	—9,9964	174	—,001	+ ,07
412	2	— 5 17 40,06	2,518	9,7185	—8,0632	,4010	,9965	175	+,010	— ,05
413	4	—28 43 35,82	2,495	9,9335	—8,7767	,3970	,9966	181	+,008	+ ,08
414	4	—28 56 7,35	2,414	9,9345	—8,7654	,3827	,9968	190	—,007	+ ,07
415	3	+18 36 2,04	2,356	8,9731	+8,5743	,3721	,9970	187	—,003	+ ,08
416	2	+18 53 59,16	2,350	+8,9494	+8,5799	+0,3711	—9,9970	189	+,013	— ,15
417	4	—29 48 38,62	2,350	+9,9400	—8,7657	,3711	,9970	193	+,026	— ,28
418	4	+18 45 11,58	2,194	+8,9638	+8,5463	,3412	,9974	198	+,013	+ ,03
419	2	+53 57 43,76	2,094	—9,7396	+8,9270	,3212	,9976	199	+,012	+ ,04
420	4	+15 39 11,26	1,886	+9,1732	+8,4046	,2756	,9981	218	+,010	— ,07
421	4	+31 43 33,14	1,788	—9,1903	+8,6712	+0,2523	—9,9983	225	+,003	+ ,05
422	4	+13 51 43,21	1,717	+9,2601	8,3126	,2350	,9984	232	+,019	— ,03
423	4	+19 28 11,32	1,538	+8,8808	8,4080	,1869	,9987	245	+,009	— ,01
424	4	+ 6 9 49,69	1,410	+9,5105	7,8783	,1491	,9989	255	+,025	+ ,06
425	4	+13 50 52,22	1,346	+9,2601	8,2066	,1290	,9990	258	+,011	,00
426	2	—20 53 10,16	1,328	+9,8808	—8,3730	+0,1233	—9,9990	263	+,019	— ,27
427	4	+ 6 12 44,78	1,323	+9,5092	+7,8552	,1214	,9990	260	+,010	— ,04
428	3	—35 57 11,72	1,195	+9,9717	—8,5437	,0772	,9992	270	+,010	— ,11
429	4	+27 32 18,61	0,955	—8,8865	+8,3433	9,9804	,9995	279	+,004	+ ,04
430	4	+ 1 49 59,26	0,880	+9,6042	+7,1476	,9445	,9996	282	+,024	+ ,01
431	4	+11 44 33,16	0,838	+9,3463	+7,9302	+9,9239	—9,9996	284	+,009	+ ,07
432	4	+17 39 32,32	0,559	+9,0414	7,9281	,7479	,9998	300	+,015	+ ,07
433	2	+27 34 6,12	0,530	—8,8921	8,0833	,7247	,9998	303	+,012	+ ,09
434	4	+ 7 41 29,39	0,530	+9,4713	7,5498	,7247	,9998	305	+,015	— ,11
435	4	+15 27 3,97	0,350	+9,1818	7,6674	,5438	,9999	317	+,001	— ,04
436	4	+26 31 55,48	0,315	—8,7708	+7,8461	+9,4981	—9,9999	319	+,013	+ ,08
437	4	+ 5 25 18,79	0,305	+9,5276	,1643	9,4899	9,9999	321	—,003	— ,06
438	4	+38 5 24,38	0,303	—9,4409	,9700	9,4817	9,9999	318	+,006	— ,04
439	4	+12 29 9,58	0,257	+9,3181	,4425	9,4091	0,0000	324	+,013	+ ,02
440	4	+69 30 32,98	0,058	—9,8949	,4354	8,7657	0,0000	326	,000	— ,06
441	2	+48 44 14,55	+0,058	—9,6684	+7,3398	+8,7657	—0,0000	333	+,026	,00
442		—23 4	—0,017	+9,8982	+6,5342	—8,2428	0,0000	345		
443	4	+59 15 2,26	0,163	—9,8041	—7,8451	—9,2128	0,0000	343	+,012	— ,06
444	4	—37 1 4,47	0,158	+9,9768	+7,6747	—9,1970	0,0000	4	+,006	+ ,09
445	4	+46 25 55,93	0,268	—9,6284	—7,9865	—9,4284	0,0000	1	—,001	+ ,19
446	5	+24 1 26,03	0,379	—8,0414	—7,8865	—9,5786	—9,9999	13	+,022	— ,06
447	4	+23 59 28,10	0,383	—8,0414	—7,8925	,5852	,9999	14	00,0	— ,09
448	4	+59 36 26,39	0,420	—9,8082	—8,2569	,6230	,9999	10	+,008	— ,12
449	4	+16 4 33,38	0,483	+9,1461	—7,8253	,6847	,9999	24	,000	+ ,14
450	2	— 6 9 40,27	0,699	+9,7308	+ ,5739	,8448	,9997	44	+,013	— ,01

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
451	Monocer.	9	1	6 8 11,85	+2,768	—7,3986	+8,8343	+0,4422	+6,7402
452	———	9.10		8	2,767	,4055	8,8344	,4420	+6,7476
453	———	9.10	3	8 23,67	2,925	,4006	8,8261	,4661	+6,4294
454	Aurigæ	8.9	4	8 24,31	4,813	,6212	9,0400	,6824	—7,5211
455	Canis. Maj.	6.7	3	10 9,61	2,511	,5127	8,8583	,3998	+7,0982
456	Lyncis	8.9	3	10 10,12	5,771	—7,8399	+9,1772	+0,7612	—7,7925
457	Monocer.	7.8	4	10 29,70	3,360	,5018	8,8336	,5263	—6,8519
458	Canis. Maj.	8.9	4	12 7,21	2,748	,5644	8,8355	,4390	+6,9326
459	Lyncis	8	3	12 17,35	5,245	,8504	9,1051	,7197	—7,7811
460	Monocer.	9	4	13 45,41	3,023	,6078	8,8234	,4804	+6,1396
461	Monocer.	7.8	3	14 17,45	3,158	—7,6248	+8,8240	+0,4994	—6,4499
462	———	9	3	15 5,14	3,176	,6505	,8244	,5019	—6,5624
463	Geminor.	8	3	16 23,59	3,404	,6969	,8362	,5320	—7,0861
464	Columbæ	9	4	16 33,44	2,177	,7672	,9031	,3379	+7,5124
465	15 Geminor.	9.10	3	17 59,24	3,576	,7528	,8520	,5534	—7,3049
466	Monocer.	9	4	18 14,39	3,312	—7,7369	+8,8297	+0,5201	—6,9941
467	———	8	2	18 20,33	3,080	7,7312	8,8225	,4885	—5,7001
468	Canis. Maj.	8	2	18 25,15	2,079	7,8267	8,9180	,3178	+7,6023
469	Lyncis.	9.10	4	19 56,48	5,311	8,0635	9,1144	,7252	—7,9980
470	Geminor.	9	4	20 55,85	3,566	7,8179	8,8505	,5522	—7,3026
471	Canis. Maj.	8	3	20 59,17	2,235	—7,8600	+8,8940	+0,3493	+7,5850
472	Geminor.	8	2	22 5,45	3,448	,8290	,8389	,5376	—7,2080
473	Monocer.	9	4	22 7,47	3,303	,8187	,8286	,5189	—7,0005
474	20 Geminor.	8	2	22 43,45	3,497	,8462	,8432	,5437	—7,3335
475	Monocer.	7.8	4	24 54,98	3,239	,8667	,8249	,5104	—6,9737
476	Aurigæ	7.8	3	25 22,38	3,884	—7,9408	+8,8909	+0,5893	—7,6001
477	Geminor.	8	3	25 27,21	3,471	,8913	,8403	,5404	—7,3544
478	———	7.8	4	26 23,71	3,462	,9060	,8394	,5393	—7,3611
479	———	7.8	4	28 16,22	3,674	,9582	,8618	,5051	—7,5773
480	1ν Canis. Maj. *pr*	9	3	29 11,15	2,624	,9530	,8435	,4190	+7,4553
481	Canis. Maj.	7.8	1	30 19,49	2,248	—8,0167	+8,8905	+0,3518	+7,7381
482	———	8	4	30 52,13	2,238	8,0257	8,8919	,3499	+7,7509
483	12 Lyncis *pr.*	8	3	31 42,76	5,323	8,2642	9,1155	,7262	—8,1999
484	Canis. Maj.	8	3	31 50,84	2,637	7,9903	8,8416	,4211	+7,4814
485	Monocer.	8.9	4	32 35,02	3,167	7,9793	8,8207	,5006	—6,8526
486	Lyncis	9	4	36 28,56	4,831	—8,2503	+9,0408	+0,6840	—8,1537
487	Monocer.	8	1	37 16,58	3,129	,0359	8,8185	,4954	—6,7035
488	Canis. Maj.	8.9	3	37 20,27	2,676	,0546	8,8365	,4275	+7,5117
489	Aurigæ	8	4	37 52,28	4,450	,2042	8,9790	,6484	—8,0638
490	Canis. Maj.	7.8	3	38 55,41	2,573	,0821	8,8463	,4104	+7,6285
491	Canis. Maj.	9	3	39 2,05	2,578	—8,0831	+8,8457	+0,4113	+7,6261
492	———	8.9	4	39 5,03	2,574	,0843	,8461	,4106	+7,6303
493	———	8.9	2	40 5,09	2,565	,0954	,8468	,4091	+7,6484
494	———	8.9	1	41 22,90	2,735	,0932	,8302	,4370	+7,4835
495	Aurigæ	6.7	4	41 43,98	4,134	,1944	,9265	,6164	—7,9939

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
451		—12 40	—0,734	+9,8082	+7,9056	—9,8660	—9,9997	46	+,016	
452	8	—12 41 22,93	0,746	+9,8082	+7,9130	,8728	,9997	48		+ ,02
453	1	— 6 8 11,50	0,752	+9,7308	+7,6029	,8762	,9997	47	+,010	+ ,05
454	4	+52 34 51,48	0,764	—9,7243	—8,4808	,8829	,9997	39	+,014	— ,07
455	4	—22 38 55,92	0,903	+9,8949	+8,2395	,9559	,9996	59	+,027	— ,19
456	3	+63 42 44,18	0,921	—9,8414	—8,6148	—9,9642	—9,9995	50	+,027	— ,05
457	4	+12 21 13,74	0,923	+9,3222	—7,9979	9,9697	,9995	58	+,016	+ ,03
458	4	—13 29 27,96	1,072	+9,8162	+8,0965	0,0303	,9994	72	+,005	+ ,03
459	2	+58 29 47,27	1,113	—9,7952	—8,6753	,0465	,9993	61	+,013	— ,02
460	4	— 1 57 27,66	1,218	+9,6702	+7,3154	,0856	,9992	76	+,026	— ,08
461	2	+ 3 50 5,75	1,264	+9,5635	—7,6250	—0,1019	—9,9991	77	+,010	— ,07
462	3	+ 4 42 8,60	1,340	9,5453	—7,7371	,1271	,9990	85	—,004	— ,30
463	1	+14 10 35,19	1,450	9,2480	—8,2488	,1615	,9989	94	+,012	— ,07
464	3	—33 47 28,72	1,462	9,9614	+8,6081	,1650	,9988	97	+,014	+ ,07
465		+20 52	1,590	8,6990	—8,4514	,2014	,9986	99	+,013	
466	3	+10 24 44,93	1,613	+9,3927	—8,1629	—0,2077	—9,9986	102	+,019	— ,18
467	4	+ 0 31 39,12	1,619	+9,6284	—6,8762	,2093	,9986	105	+,026	— ,12
468	2	—36 37 5,38	1,619	+9,9745	+8,6829	,2093	,9986	112	—,001	— ,06
469	4	+59 18 25,64	1,776	—9,8028	—8,8819	,2494	,9983	106	+,001	— ,18
470	4	+20 31 26,62	1,851	+8,7559	—8,5102	,2675	,9981	120	+,023	+ ,15
471	4	—32 4 1,82	1,845	+9,9528	+8,6892	—0,2661	—9,9981	127	+,015	— ,08
472	2	+15 57 39,02	1,950	,1584	— ,4271	,2900	,9979	129	+,005	— ,06
473	4	+10 2 42,67	1,950	,4031	— ,2299	,2900	,9979	131	+,014	— ,12
474	3	+17 53 15,62	2,008	,0294	— ,4881	,3028	,9978	134	,000	+ ,04
475	3	+ 7 21 24,09	2,194	,4814	— ,1462	,3412	,9974	149	+,016	+ ,06
476	4	+31 36 10,58	2,234	—9,1818	—8,7665	—0,3491	—9,9973	150	+,013	+ ,02
477	4	+16 53 6,42	2,240	+9,1004	— ,5113	,3502	,9973	153	+,005	+ ,07
478	4	+16 34 17,01	2,321	+9,1238	— ,5188	,3657	,9971	157	+,017	+ ,03
479	4	+24 35 3,10	2,483	—8,2553	— ,7121	,3950	,9966	168	+,009	— ,06
480	2	—18 31 49,89	2,558	+9,8609	+ ,6082	,4080	,9964	178	+,009	+ ,09
481	3	—31 45 16,99	2,657	+9,9499	+8,8437	—0,4243	—9,9961	187	+,019	— ,13
482	4	—32 5 16,63	2,703	+ ,9557	+8,8551	,4318	,9960	191	+,035	— ,03
483	3	+59 35 51,24	2,795	— ,8021	—9,0802	,4464	,9957	184	—,005	— ,10
484	4	—18 2 38,86	2,795	+ ,8573	+8,6356	,4464	,9957	196	+,014	+ ,14
485	3	+ 4 17 35,13	2,858	+ ,5551	—8,0275	,4562	,9955	200	+,016	— ,13
486	4	+53 12 16,50	3,205	—9,7243	—9,1073	—0,5058	—9,9944	215	+,018	— ,03
487	4	+ 2 39 49,87	3,262	+ ,5877	—7,8792	,5135	,9942	221	+,015	— ,17
488	4	—16 34 1,68	3,268	+ ,8432	+8,6673	,5143	,9941	225	+,011	— ,05
489	3	+46 21 37,52	3,320	— ,6180	—9,0787	,5211	,9940	220	+,017	— ,03
490	3	—20 36 25,96	3,400	+ ,8768	+8,7759	,5315	,9937	233	+,023	+ ,01
491	4	—20 26 19,65	3,412	+9,8756	+8,7739	—0,5329	—9,9936	235	+,014	— ,10
492	2	—20 35 6,50	3,417	+ ,8762	+8,7777	,5337	,9936	236	+,029	— ,02
493	5	—20 55 43,69	3,498	+ ,8791	+8,7948	,5438	,9933	242	+,027	— ,04
494	3	—14 12 38,49	3,612	+ ,8215	+8,6460	,5578	,9928	249	+,016	,00
495	3	+39 3 20,68	3,653	— ,4518	—9,0601	,5626	,9927	244	+,013	— ,13

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
496	Canis. Maj.	8	3	6 43 24,66	+2,237	—8,1733	+8,8894	+0,3497	+7,9019
497	———	7.8	4	43 58,25	2,621	,1297	8,8397	,4185	+7,6387
498	h2 ———	8.9	4	44 14,69	2,264	,1777	8,8850	,3549	+7,8960
499	Lyncis	8.9	4	44 36,04	5,150	,3869	9,0889	,7118	—8,3143
500	———	8		44	5,142	,3892	9,0892	,7120	—8,3168
501	Geminor.	8		45	3,490	—8,1388	+8,8369	+0,5428	—7,6261
502	Canis. Maj.	8.9	3	45 8,00	2,181	,1986	,8973	,3387	+7,9473
503	———	9	3	46 17,13	2,637	,1503	,8373	,4211	+7,6461
504	Lyncis	8.9	4	51 31,83	4,488	,3451	,9829	,6520	—8,2126
505	Canis. Maj.	8	4	52 38,56	2,355	,2396	,8694	,3720	+7,9218
506	Geminor.	8	4	54 22,17	3,562	—8,2261	+8,8408	+0,5517	—7,7768
507	Lyncis	8.9	3	54 28,48	4,600	,3877	9,0008	,6628	—8,2702
508	Canis. Maj.	8	4	58 4,90	2,731	,2388	8,8240	,4363	+7,6413
509	Lyncis	8	4	58 28,38	4,618	,4211	9,0028	,6644	—8,3063
510	Geminor.	8.9	3	58 37,87	3,436	,2443	8,8264	,5360	—7,6815
511	Navis	8	4	58 57,33	1,846	—8,3690	+8,9480	+0,2662	+8,2060
512	Can. Min.	9	4	7 0 48,17	3,229	,2473	,8117	,5091	—7,3393
513	———	8.9	4	1 43,03	3,211	,2530	,8105	,5066	—7,2956
514	———	9	3	1 48,97	3,205	,2533	,8103	,5058	—7,2785
515	———	8	3	2 1,78	3,203	,2550	,8101	,5056	—7,2742
516	Can. Maj.	8	3	2 59,47	2,470	—8,3010	+8,8498	+0,3927	+7,9262
517	Geminor.	8	3	3 16,97	3,445	,2791	8,8249	,5372	—7,7286
518	Can. Min.	9	4	3 27,95	3,305	,2693	8,8142	,5192	—7,5286
519	———	8	4	4 46,03	3,316	,2788	8,8142	,5207	—7,5581
520	Camelop.	9	4	5 34,06	5,288	,5776	9,1065	,7233	—8,5152
521	Can. Min.	9	4	5 40,14	3,255	—8,2810	+8,8103	+0,5126	—7,4405
522	Lyncis	8	4	6 15,04	4,190	,4043	8,9290	,6222	—8,2231
523	Can. Min.	8	4	6 31,43	3,288	,2882	8,8116	,5169	—7,5178
524	Camelop.	8.9	3	7 8,26	5,396	,6039	9,1222	,7321	—8,5467
525	———	*var.*	4	7 25,34	5,338	,5974	9,1139	,7274	—8,5376
526	Can. Min.	9	4	7 36,20	3,284	—8,2947	+8,8108	+0,5164	—7,5176
527	———	8	3	8 1,21	3,287	,2974	8,8107	,5160	—7,5254
528	19 Lyncis	8	4	9 26,50	4,927	,5485	9,0511	,6837	—8,4648
529	———	8.9	3	9 28,91	4,932	,5492	9,0518	,6930	—8,4649
530	Can. Maj.	8	2	12 24,44	2,485	,3585	8,8433	,3953	+7,9790
531	M. Navis	7	3	12 59,96	1,855	—8,4613	+8,9423	+0,2683	+8,3007
532	Geminor.	8.9	2	14 33,61	3,611	,3666	,8371	,5576	—7,9626
533	———	7.8	3	15 33,86	3,864	,4081	,8723	,5870	—8,1349
534	Navis	8	3	15 55,80	2,288	,4072	,8698	,3595	+8,1279
535	Lyncis	8	3	20 40,82	4,406	,5279	,9614	,6440	—8,3911
536	Geminor.	8.9	4	21 14,43	3,733	—8,4194	+8,8497	+0,5721	—8,0903
537	Monocer.	6.7	4	21 27,67	2,909	,3700	,7992	,4637	+7,4701
538	l.a Geminor.	4.5	3	24 7,38	3,854	,4529	,8665	,5859	—8'1799
539	———	8	2	25 8,98	3,756	,4431	,8511	,5747	—8,1282
540	Can. Min.	8	4	26 20,17	3,190	,3926	,7943	,5038	—7,3846

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A.R.	Decn.
		° ′ ″	″						s.	″
496	4	—32 21 26,53	—3,784	+9,9508	+9,0046	—0,5780	—9,9921	258	+,010	+0,07
497	4	—18 49 28,07	3,836	+9,8621	+8,7909	,5839	,9919	260	—,054	,00
498	2	—31 30 50,91	3,859	+9,9460	+9,0028	,5864	,9918	262	+,007	+ ,07
499	3	+57 47 19,94	3,905	—9,7774	—9,2171	,5916	,9916	255	+,008	— ,11
500	2	+57 49 52,96	3,922	—9,7774	—9,2191	,5935	,9915	256		— ,01
501	4	+17 52 55,90	3,939	+9,0492	—8,7806	—0,5954	—9,9914	265		— ,04
502	4	—34 5 10,58	3,933	+9,9586	+9,0414	,5947	,9915	268	+,017	+ ,09
503	3	—18 14 48,57	4,036	+9,8567	+8,7997	,6059	,9910	272	+,020	+ ,18
504	4	+47 29 8,31	4,498	—9,6284	—9,2185	,6530	,9888	298	+,012	+ ,02
505	4	—28 44 25,47	4,577	+9,9269	+ ,0107	,6606	,9884	307	+,016	+ ,19
506	4	+20 49 48,34	4,730	+8,7853	—8,9236	—0,6749	—9,9876	311	+,005	+ ,19
507	4	+49 42 33,91	4,747	—9,6628	—9,2569	,6764	,9875	309	—,009	— ,11
508	4	—14 37 43'77	5,041	+9,8228	+8,8030	,7025	,9858	328	+,010	— ,08
509	4	+50 9 18,63	5,081	—9,6674	—9,2891	,7059	,9856	326	—,063	— ,16
510	1	+15 47 29,85	5,075	+9,1818	—8,8407	,7054	,9856	329	+,009	+ ,18
511	1	—43 23 20,09	5,109	+9,9908	+9,2433	—0,7083	—9,9854	337	—,007	+ ,09
512	4	+ 7 6 13,69	5,272	9,4941	—8,5120	,7220	,9844	342	+,015	+ ,11
513	4	+ 6 19 58,19	5,351	9,5119	—8,4691	,7284	,9839	345	+,017	— ,22
514	2	+ 6 4 44,01	5,365	9,5185	—8,4521	,7289	,9839	347	+,060	,00
515	3	+ 5 59 58,28	5,379	9,5198	—8,4497	,7307	,9838	1	+,012	— ,09
516	3	—24 56 55,88	5,452	+9,9025	+9,0597	—0,7365	—9,9833	14	—,003	— ,13
517	4	+16 21 11,90	5,485	+9,1614	—8,8867	,7392	,9831	9	+,013	+ ,03
518	4	+10 27 51,64	5,497	+9,4014	—8,6974	,7401	,9830	12	+,014	— ,21
519	3	+10 57 49,14	5,609	+9,3838	—8,7262	,7489	,9823	23	+,015	+ ,07
520	4	+59 58 51,70	5,687	—9,7875	—9,3904	,7549	,9818	20	+,021	— ,11
521	3	+ 8 18 32,03	5,681	+9,4639	—8,6119	—0,7545	—9,9818	26	+,015	— ,01
522	4	+41 13 44,67	5,737	—9,4843	9,2756	,7587	,9814	28	+,008	+ ,09
523	4	+ 9 46 34,39	5,754	+9,4249	8,6875	,7600	,9813	34	+,019	— ,05
524	3	+61 13 24,36	5,816	—9,7993	9,4053	,7646	,9809	30	+,004	+ ,21
525	4	+60 37 14,61	5,838	—9,7931	9,4045	,7662	,9807	33	+,012	— ,13
526	5	+ 9 37 6,21	5,843	+9,4281	—8,6875	—0,7667	—9,9807	40	+,012	— ,04
527	4	+ 9 44 50,07	5,877	+9,4249	—8,6952	,7691	,9805	43	—,013	— ,04
528	1	+55 34 58,80	6,010	—9,7340	—9,3933	,7789	,9795	47	+,034	— ,11
529	4	+55 38 23,08	6,010	—9,7340	—9,3936	,7789	,9795	49	+,024	— ,13
530	3	—24 39 36,82	6,238	+9,8982	+9,1136	,7950	,9779	73	—,004	— ,09
531	4	—43 41 23,49	6,288	+9,9868	+9,3359	—0,7985	—9,9775	82	+,018	+ ,02
532	3	+23 14 26,54	6,426	+8,3979	—9,1020	,8079	,9764	84	+,016	— ,10
533	4	+32 12 45,62	6,509	—9,1367	—9,2384	,8135	,9758	89	—,005	+ ,08
534		—31 44	6,531	+9,9375	+9,2338	,8150	,9756	93	+,005	,00
535	4	+46 52 26,43	6,932	—9,5888	—9,4021	,8408	,9723	112	+,005	— ,01
536	5	+27 57 31,16	6,976	—8,7482	—9,2125	—0,8436	—9,9720	118	+,008	— ,04
537	4	— 7 13 28,04	6,992	+9,7396	+8,6427	,8446	,9718	120	+,012	+ ,19
538	4	+32 14 26,26	7,215	—9,1173	—9,2833	,8583	,9699	127	,000	— ,08
539		+28 58	7,297	—8,8513	—9,2463	,8631	,9691	136	+,018	
540	3	+ 5 38 56,01	7,390	+9,5327	—8,5586	,8686	,9683	142	+,011	— ,08

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
541	Canis Min.	7.8	4	7 26 22,02	+3,146	—8,3914	+8,7931	+0,4977	—7,1939
542	Navis	7	3	27 18,52	2,403	,4502	,8464	,3807	+8,1249
543	Canis Min.	7	5	27 50,87	3,203	,4004	,7936	,5056	—7,1349
544	———	7.8	4	28 37,53	3,193	,4037	,7926	,5042	—7,4058
545	Navis	8.9	3	28 57,59	2,538	,4394	,8268	,4045	+8,0348
546	Camelop. *pre.*	8.9	4	30 14,04	5,778	—8,7926	+9,1718	+0,7618	—8,7518
547	——— *seq.*	9	4	30 14,44	5,778	,7926	9,1718	,7618	—8,7518
548	K² Navis	7.8		32	2,457	,4649	8,8357	,3904	+8,1134
549	Canis Min.	8	5	32 10,68	3,163	,4189	8,7889	,5001	—7,3070
550	Geminor.	9	3	34 4,05	3,629	,4677	8,8274	,5598	—8,0874
551	Monocer.	8	4	34 40,38	3,080	—8,4284	+8,7856	+0,4885	—6,4236
552	———	8.9	4	37 38,24	2,955	,4427	,7850	,4706	+7,4082
553	Navis	7.8	3	37 49,16	2,190	,5325	,8741	,3404	+8,3000
554	2¹ ———	8.9	4	37 56,30	2,758	,4556	,7965	,4406	+7,8485
555	2² ———	7.8	4	37 56,57	2,758	,4559	,7965	,4406	+7,8485
556	Camelop.	5.6	4	38 38,74	9,876	—9,2032	+9,5378	+0,9946	—9,1964
557	Navis	8.9	2	38 38,78	2,142	8,5445	8,8818	,3308	+8,3273
558	———	8	3	40 20,04	2,139	,5525	8,8815	,3302	+8,3372
559	Lyncis	7.8	4	40 29,26	3,872	,5324	8,8601	,5879	—8,2758
560	Monocer.	8	2	42 17,94	2,881	,4649	8,7841	,4595	+7,6487
561	Monocer.	7.8	2	42 18,81	3,001	—8,4607	+8,7796	+0,4773	+7,2075
562	Navis	8	2	44 26,01	2,680	,4897	8,7986	,4281	+7,9781
563	Geminor.	8.9	4	44 27,24	3,838	,5435	8,8518	,5841	—8,2761
564	Monocer.	7.8	3	44 42,01	2,963	,4708	8,7784	,4717	+7,4125
565	Camelop.	8.9	4	45 7,66	5,655	,8482	9,1530	,7524	—8,8060
566	Monocer.	8.9	4	46 18,45	3,019	—8,4756	+8,7756	+0,4799	+7,0945
567	Canis Min.	7.8	2	48 21,88	3,257	,4886	8,7787	,5128	—7,6861
568	Navis	9	2	49 28,20	2,575	,5217	8,8068	,4108	+8,1061
569	Lyncis	8	4	49 55,91	4,733	,7260	9,0083	,6751	—8,1371
570	Monocer.	8.9	2	50 18,40	3,002	,4907	8,7721	,4774	+7,2375
571	Cancri	7.8	4	51 14,26	3,504	—8,5213	+8,7981	+0,5446	—8,0605
572	———	8	3	52 31,81	3,500	,5259	,7965	,5441	—8,0637
573	Navis	8	4	53 1,53	2,571	,5355	,8043	,4101	+8,1259
574	Cancri	7.8	3	53 27,10	3,391	,5173	,7840	,5303	—7,9414
575	Monocer.	8	2	56 45,97	3,006	,5133	,7653	,4780	+7,2369
576	Lyncis	8	4	59 30,11	3,907	—8,6137	+8,8534	+0,5918	—8,3822
577	Cancri	9	4	8 0 5,72	3,292	,5317	,7691	,5175	—7,8110
578	Monocer.	8.9	4	0 22,77	3,086	,5249	,7608	,4894	—6,7368
579	Cancri	8	4	1 22,93	3,263	,5343	,7658	,5136	—7,7579
580	Monocer.	8	4	2 4,38	2,942	,5328	,7615	,4686	+7,5720
581	Cancri	8	2	2 48,25	3,444	—8,5547	+8,7802	+0,5371	—8,0478
582	Navis	9	4	3 43,07	2,685	,5584	,7803	,4289	+8,0598
583	Cancri	8	3	4 34,20	3,297	,5466	,7646	,5181	—7,8402
584	Lyncis	7	4	5 35,96	4,674	,7790	,9923	,6697	—8,6904
585	Cancri	8	2	6 16,56	3,439	,5656	,7760	,5364	—8,0571

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	b'	c'	d'		A. R.	Decn.
		° ′ ″	″						s.	″
541	4	+ 3 37 38,16	—7,390	+9,5729	—8,3685	—0,8686	—9,9683	143	+,018	+0,02
542	4	—28 12 57,90	7,470	+9,9143	+9,2461	,8733	,9675	148	+,013	+ ,05
543	4	+ 6 13 11,63	7,514	+9,5198	—8,6085	,8759	,9671	150	+,001	+ ,14
544	4	+ 5 45 55,05	7,579	+9,5302	—8,5797	,8796	,9665	158	+,013	+ ,02
545	2	—23 11 22,97	7,660	+9,8831	+9,1743	,8808	,9663	165	+,003	+ ,05
546	1	+65 32 13,62	7,724	—9,8195	—9,5450	—0,8878	—9,9651	159	—,018	+ ,15
547	7	+65 32 21,66	7,724	—9,8195	—9,5450	,8878	,9651	160	—,013	+ ,08
548	3	—26 26 4,51	7,853	+9,9025	+9,2416	,8950	,9638	177		+ ,12
549	2	+ 4 27 4,75	7,863	+9,5575	—8,4818	,8956	,9637	174	+,007	+ ,10
550	4	+24 37 35,06	8,024	+8,1139	—9,2221	,9044	,9621	182	+,001	— ,07
551	4	+ 0 34 16,72	8,062	+9,6284	—7,6000	—0,9064	—9,9617	189	+,010	— ,03
552	4	— 5 17 14,34	8,296	,7126	+8,5824	,9188	,9592	202	+,011	— ,11
553	3	—35 49 47,52	8,307	,9469	+9,3849	,9194	,9591	206	+,017	— ,04
554	4	—14 17 33,84	8,317	,8102	+9,0107	,9200	,9590	204	+,019	— ,12
555	4	—14 17 50,11	8,322	,8102	+9,0110	,9202	,9589	205	+,007	— ,15
556	4	+79 54 33,10	8,418	—9,9124	—9,6164	—0,9252	—9,9579	187	—,017	— ,16
557	2	—37 19 52,61	8,375	+ ,9523	+9,4038	,9230	,9583	209	+,046	+ ,01
558		—37 32	8,508	+ ,9523	+9,4126	,9298	,9569	218	+,013	
559	4	+33 38 24,41	8,529	— ,1492	—9,3723	,9309	,9566	215	+,008	+ ,01
560	2	— 8 46 28,91	8,665	+ ,7536	+8,8197	,9378	,9551	228	+,018	,00
561	4	— 3 11 15,83	8,671	+9,6839	+8,3829	—0,9381	—9,9550	227	+,009	+ ,03
562	4	—17 56 30,56	8,833	+ ,8395	+9,1330	,9461	,9531	241	+,017	+ ,15
563	4	+32 42 25,37	8,844	— ,0792	—9,3773	,9466	,9530	238	—,013	— ,10
564	4	— 5 0 38,77	8,854	+ ,7076	+8,5869	,9472	,9528	242	+,005	— ,17
565	3	+65 10 40,78	8,901	— ,8000	—9,6053	,9495	,9523	236	+,022	— ,19
566	5	— 2 22 20,04	8,980	+9,6730	+8,2702	—0,9533	—9,9513	247	+,005	,00
567	4	+ 9 4 25,41	9,146	+ ,4609	—8,8568	,9612	,9493	258	+,006	— ,05
568	3	—22 34 16,13	9,229	+ ,8704	+9,2475	,9652	,9483	264	+,029	+ ,05
569	4	+54 34 26,35	9,276	— ,6730	—9,5764	,9673	,9477	260	+,007	— ,11
570	4	— 3 11 59,49	9,291	+ ,6830	+8,4129	,9681	,9475	268	+,014	+ ,08
571	4	+20 15 32,10	9,368	+9,0043	—9,2089	—0,9717	—9,9465	272	+,003	— ,08
572	4	+20 11 4,42	9,471	,0128	—9,2123	,9764	,9451	280	+,013	— ,15
573	4	—22 54 22,60	9,502	,8710	+9,2662	,9778	,9447	287	+,025	+ ,04
574	4	+15 23 55,59	9,538	,2648	—9,1016	,9795	,9442	286	+,009	— ,05
575	4	— 3 2 7,98	9,925	,6803	+8,4123	,9907	,9408	300	+,014	+ ,18
576	4	+35 56 21,18	10,003	—9,1987	—9,4666	—1,0001	—9,9378	308	+,022	— ,27
577	4	+10 58 58,13	10,042	+ ,4166	—8,9791	,0018	,9372	313	+,019	— ,01
578	1	+ 0 55 57,61	10,067	+ ,6232	—7,9128	,0029	,9369	315	+,004	+ ,04
579	4	+ 9 38 39,70	10,142	+ ,4533	—8,9278	,0061	,9358	322	+,004	— ,06
580	1	— 6 15 57,88	10,193	+ ,7202	+8,7455	,0083	,9350	2	+,026	— ,04
581	1	+18 7 56,40	10,247	+9,1614	—9,2017	—1,0106	—9,9342	6	+,016	— ,37
582	4	—18 29 29,07	10,313	+ ,8351	+ ,2129	,0134	,9333	12	+,019	+ ,03
583	4	+11 20 19,62	10,382	+ ,4099	— ,0077	,0163	,9321	13	+,010	— ,01
584	4	+54 38 26,97	10,462	— ,6484	— ,6291	,0196	,9309	15	+,014	— ,15
585	4	+18 4 3,63	10,512	+ ,1732	— ,2113	,0217	,9301	20	+,012	— ,05

No.	Star's name and Mag.	No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
			h. m. s.	s.				
586	Navis 7	3	8 6 50,85	+1,884	—8,7044	+8,9131	+0,2751	+8,5626
587	Cancri 8	3	7 20,41	3,266	,5532	,7594	,5140	—7,7886
588	——— 8	3	7 23,87	3,660	,5992	,8051	,5635	—8,2643
589	Lyncis 8	3	7 36,56	4,610	,7754	,9799	,6637	—8,6816
590	Cancri 8	1	8 46,54	3,260	,5573	,7573	,5132	—7,7824
591	Cancri 8	3	9 29,98	3,259	—8,5595	+8,7564	+0,5131	—7,7830
592	Navis 8	4	9 52,24	2,750	,5710	,7645	,4393	+8,0056
593	Cancri 8	3	13 25,12	3,288	,5729	,7638	,5169	—7,8600
594	——— 8.9	4	14 2,26	3,443	,5900	,7681	,5369	—8,0018
595	——— 9	5	16 41,15	3,670	,6305	,7977	,5647	—8,3101
596	Cancri 7.8	3	16 54,11	3,584	—8,6176	+8,7840	+0,5544	—8,2410
597	——— 7.8	3	17 55,64	3,226	,5818	,7442	,5087	—7,7313
598	Navis 6	3	18 2,19	2,589	,6153	,7773	,4131	+8,9166
599	Monocer. 8	3	20 12,50	3,031	,5840	,7369	,4816	+7,1232
600	——— 8	2	24 1,70	2,697	,6179	,7558	,4309	+8,1298
601	Monocer. 8	3	24 24,09	3,019	—8,5951	+8,7315	+0,4709	+7,2574
602	——— 8.9	4	25 16,31	3,023	,5973	,7302	,4804	+7,2[illegible]
603	Hydræ 7.8	4	26 52,13	3,129	,6017	,7283	,4951	[illegible]
604	Cancri 8	3	29 40,79	3,459	,6357	,7513	,5389	—8,1710
605	3 Leo. Min. 7.8	5	29 41,71	3,764	,6860	,8013	,5756	—8,1551
606	Cancri 8	1	29 43,74	3,457	—8,6356	+8,7509	+0,5387	—8,1798
607	Pixid Naut. 7 8	2	30 4,50	2,555	,6547	,7689	,4074	+[illegible]
608	4 Leo. Min. 7	2	30 7,39	3,742	,6831	,7969	,5751	—,4131
609	Cancri 8	3	30 15,99	3,466	,6383	,7515	,5348	—,1858
610	——— 8	2	30 53,26	3,445	,6384	,7490	,5372	—,1712
611	Cancri 8	4	31 47,06	3,473	—8,6432	+8,7504	+0,5407	—8,1956
612	Monocer. 9	2	35 33,42	2,948	,6251	,7177	,4695	+7,6877
613	Cancri 8	3	36 8,89	3,433	,6491	,7392	,5357	—8,1704
614	10 Hydræ 7	3	36 19,90	3,182	,6266	,7162	,5027	—7,1617
615	Lyncis 9.10	5	36 33,36	4,468	,8506	,9389	,6501	—8,7559
616	Hydræ *pre.* 8	4	37 3,46	3,032	—8,6260	+8,7127	+0,4817	+7,1724
617	——— *seq.* 7.8	3	37 3,80	3,032	,6260	,7127	,4817	+7,1724
618	Cancri 8.9	2	37 29,13	3,272	,6350	,7202	,5148	—7,9227
619	Navis 9	3	38 53,33	2,142	,7589	,8389	,3308	+8,5847
620	Cancri 8	3	39 43,76	3,308	,6434	,7199	,5196	—8,0015
621	Lyncis 8	4	40 39,64	4,207	—8,8100	+8,8826	+0,6240	—8,6822
622	Cancri 9	3	41 39,57	3,410	,6595	,7285	,5327	— ,1636
623	Navis 7	3	42 14,54	2,159	,7652	,8324	,3342	+ ,5914
624	Pixid Naut. 7	4	43 10,21	2,511	,6970	,7604	,3998	+ ,3808
625	——— 6.7	4	43 11,98	2,432	,7118	,7752	,3860	+ ,4383
626	3 H Navis 7.8	4	43 32,97	2,229	—8,7542	+8,8163	+0,3481	+8,5598
627	Cancri 8	3	44 31,91	3,445	,6710	,7291	,5372	—8,2167
628	——— 7.8	8	44 35,04	3,397	,6647	,7225	,5311	—8,1582
629	——— 9	4	44 37,73	3,337	,6578	,7153	,5234	—8,0713
630	Hydræ *pre.* 8	4	45 9,93	3,227	,6491	,7049	,5088	—7,8443

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s	″
586	3	—46 9 18,92	—10,542	+9,9605	+9,5791	—1,0229	—9,9297	29	+,016	+0,03
587	4	+ 9 54 10,25	10,587	+9,4487	—8,9581	,0247	,9290	26	+,007	— ,20
588	4	+27 32 56,11	10,592	—7,9031	—9,3881	,0249	,9289	24	+,010	— ,01
589	3	+53 42 4,49	10,617	—9,6294	—9,6302	,0260	,9285	23	+,004	— ,03
590	4	+ 9 40 0,61	10,696	+9,4564	—8,9523	,0292	,9272	34	+,010	— ,10
591	4	+ 9 39 14,55	10,742	+9,4579	—8,9538	—1,0314	—9,9263	36	+,007	— ,14
592	1	—15 46 56,30	10,774	+9,8109	+9,1650	,0324	,9259	39	+,024	— ,08
593	2	+11 10 47,32	11,033	+9,4216	—9,0278	,0427	,9216	48	+,016	+ ,04
594	3	+18 39 24,39	11,082	+9,1614	—9,2471	,0446	,9208	51	+,023	+ ,02
595	4	+28 35 32,12	11,276	—8,1761	—9,4300	,0521	,9174	61	+,003	+ ,01
596	3	+25 4 0,19	11,290	+8,6335	—9,3778	—1,0527	—9,9171	66	—,003	— ,25
597	4	+ 8 10 55,46	11,362	9,4955	—8,9059	,0555	,9158	70	+,010	— ,06
598	3	—23 31 3,76	11,368	9,8615	+9,3550	,0556	,9157	74	+,005	— ,02
599	3	— 1 58 42,74	11,530	9,6646	+8,2990	,0618	,9127	81	—,001	— ,02
600	4	—18 57 21,63	11,796	9,8280	+9,2816	,0717	,9077	94	+,001	+ ,07
601	4	— 2 37 38,78	11,823	+9,6721	+8,4330	—1,0727	—9,9071	97	+,018	— ,06
602	4	— 2 25 18,28	11,884	+9,6702	+8,4010	,0750	,9059	100	+,011	— ,02
603	4	+ 3 18 9,78	11,997	+9,5877	—8,5351	,0791	,9037	107	+,004	— ,04
604	2	+20 14 47,66	12,192	+9,1238	—9,3230	,0861	,8997	118	+,021	— ,10
605	4	+33 17 59,65	12,197	—8,8573	—9,5237	,0862	,8996	117	+,009	— ,04
606		+20 9	12,197	+9,1271	—9,3214	—1,0862	—9,8996	119	+,015	
607	3	—25 50 52,38	12,216	+9,8669	+ ,4247	,0869	,8992	125	+,006	— ,03
608	4	+32 30 59,00	12,225	—8,7781	— ,5155	,0872	,8990	120	+,005	+ ,05
609	4	+20 39 32,10	12,234	+9,1038	— ,3326	,0876	,8988	121	+,015	,00
610	2	+20 6 19,29	12,280	+9,1367	— ,3230	,0892	,8978	128	+,019	— ,14
611	4	+21 3 15,01	12,340	+9,0864	—9,3446	—1,0913	—9,8965	135		+ ,08
612	1	— 6 38 0,48	12,597	9,7168	+9,8609	,1002	,8909	151	+,004	— ,05
613	4	+19 24 24,55	12,613	9,1790	—9,3212	,1018	,8899	156	—,009	— ,05
614	3	+ 6 16 14,69	12,650	9,5366	—8,8382	,1021	,8897	157		+ ,04
615	4	+53 31 28,64	12,641	—9,5623	—9,7062	,1029	,8892	153	,000	— ,06
616	3	— 2 0 34,83	12,700	+9,6637	+8,3482	—1,1038	—9,8885	159	+,001	,00
617	4	— 2 0 34,21	12,700	,6637	+8,3482	,1038	,8885	160	+,004	— ,04
618	4	+11 11 15,93	12,727	,4407	—9,0904	,1047	,8879	161	+,001	— ,03
619	3	—42 1 44,45	12,817	,9227	+9,6316	,1078	,8858	169	+,024	— ,41
620	2	+13 11 46,41	12,879	,3944	—9,1660	,1099	,8844	171	+,024	+ ,02
621	4	+48 10 46,31	12,946	—9,4472	—9,6824	—1,1121	—9,8828	174	+,007	— ,23
622	2	+18 38 24,29	13,008	+9,2253	— ,3164	,1142	,8813	181	+,021	+ ,06
623	2	—41 51 37,70	13,039	9,9191	+ ,6377	,1152	,8805	187	+,023	+ ,05
624	2	—28 51 18,50	13,106	9,8722	+ ,4992	,1174	,8789	188	+,023	+ ,12
625	4	—32 10 16,96	13,106	9,8865	+ ,5419	,1174	,8789	190	+,003	— ,02
626	2	—39 42 50,62	13,128	+9,9122	+9,6219	—1,1182	—9,8783	194	+,009	— ,07
627	4	+20 34 56,12	13,198	,1523	— ,3642	,1205	,8766	195	—,004	— ,01
628	5	+18 9 38,43	13,203	,2504	— ,3121	,1206	,8765	196	+,009	— ,01
629	4	+15 1 22,53	13,207	,3502	— ,2323	,1208	,8763	197	+,023	— ,13
630	4	+ 9 2 11,99	13,237	,4928	— ,0150	,1218	,8756	200	+,021	+ ,03

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
631	Hydræ *seq.*	9	4	8 45 10,21	+3,227	—8,6491	+8,7049	+0,5088	—7,8443
632	2,17 ———	9	4	47 27,55	2,940	,6523	,6991	,4683	+7,7593
633	Cancri	7		47	3,393	,6709	,7175	,5306	—8,1632
634	Hydræ	9	4	51 40,09	3,036	,6577	,6885	,4823	+7,1820
635	———	9	4	52 58,72	3,036	,6604	,6881	,4823	+7,1847
636	Hydræ	8.9	3	53 9,68	3,175	—8,6631	+8,6882	+0,5017	—7,7023
637	———	8	4	53 18,01	3,054	,6608	,6854	,4849	+6,8321
638	———	8.9	3	53 56,18	2,937	,6660	,6882	,4679	+7,7958
639	Cancri	9	4	54 14,70	3,324	,6773	,6983	,5217	—8,0851
640	ρ ———	8	2	54 22,63	3,594	,7192	,7397	,5556	—8,3986
641	Lyncis	9.10	1	55 25,20	3,849	—8,7750	+8,7915	+0,5853	—8,5747
642	Monocer.	8	3	55 52,49	2,833	,6785	,6934	,4522	+8,0555
643	74 Cancri	9	3	59 3,95	3,328	,6878	,6906	,5222	—8,1105
644	Hydræ	8.9	4	59 43,61	3,038	,6735	,6737	,4826	+7,1746
645	Navis	8.9	4	9 0 37,53	2,196	,8097	,8067	,3416	+8,6423
646	Pix. Naut.	7	4	1 29,47	2,627	—8,7199	+8,7136	+0,4195	+8,3488
647	———	8	4	2 34,18	2,630	,7218	,7114	,4200	+8,3501
648	Hydræ	8	4	4 19,31	2,967	,6844	,6672	,4723	+7,7225
649	Monocer.	7	4	4 28,42	2,748	,7066	,6889	,4390	+8,2211
650	Hydræ	9	1	4 50,19	3,140	,6840	,6650	,4969	—7,5770
651	Cancri	9	5	4 54,03	3,511	—8,7280	+8,7086	+0,5454	—8,3646
652	Hydræ	7.8	4	5 14,22	2,825	,6979	,6775	,4510	+8,1038
653	———	8	4	6 17,41	2,839	,6984	,6739	,4532	+8,0826
654	———	8	4	6 31,62	3,006	,6868	,6612	,4780	+7,5138
655	Navis	7.8	3	6 59,00	2,355	,7897	,7627	,3720	+8,5785
656	Cancri	8	4	7 14,29	3,391	—8,7127	+8,6844	+0,5303	—8,2358
657	Hydræ	7	2	7 30,90	2,939	,6919	,6625	,4682	+7,8390
658	Navis	7.8	1	9 19,87	2,388	,7880	,7521	,3780	+8,5669
659	Hydræ	7	4	9 21,25	2,844	,7037	,6675	,4539	+8,0848
660	Leonis	8.9	4	10 25,12	3,543	,7461	,7057	,5494	—8,4156
661	Hydræ	7.8	3	11 13,83	3,160	—8,6962	+8,6530	+0,4997	—7,7070
662	———	6.7	3	11 48,85	2,826	,7104	,6648	,4512	+8,1281
663	———	7	4	12 11,72	3,081	,6957	,6486	,4887	—6,8754
664	———	7	4	12 20,95	2,928	,7012	,6536	,4666	+7,8915
665	Leonis	7.8	4	12 21,07	3,287	,7086	,6610	,5168	—8,0862
666	Hydræ	8.9	3	13 10,21	2,831	—8,7121	+8,6615	+0,4519	+8,1228
667	———	9	2	14 42,13	3,133	,7017	,6443	,4960	—7,5658
668	———	9.10	3	15 43,32	2,990	,7030	,6424	,4765	+7,6134
669	Ursæ Maj.	8.9	4	16 1,76	4,056	,8804	,8186	,6081	—8,7546
670	Hydræ	9	3	16 47,58	3,144	,7051	,6403	,4975	—7,6424
671	Hydræ	9	3	17 18,57	2,981	—8,7063	+8,6396	+0,4744	+7,7034
672	Leonis	8	3	17 31,55	3,340	8,7248	,6573	,5237	—8,2001
673	*h* Ursæ Maj.	7	4	18 31,84	4,821	9,0605	,9890	,6831	—9,0133
674	Hydræ	8.9	3	20 49,61	3,038	8,7101	,6298	,4826	+7,2637
675	———	8.9	4	22 44,07	2,995	8,7144	,6269	,4764	+7,6503

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A.R.	Decn.
		° ′ ″	″						s	″
631	3	+ 9 2 4,75	—13,237	+9,4928	—9,0150	—1,1218	—9,8756	201	+,007	+0,04
632	4	— 7 20 49,85	13,390	,7202	+8,9318	,1268	,8716	215	+,019	— ,08
633	3	+18 6 21,48	13,394	,2553	—9,3173	,1269	,8715	213		+ ,02
634	4	— 1 54 49,83	13,661	,6609	+8,3578	,1355	,8644	228	+,008	+ ,02
635	4	— 1 55 15,68	13,746	,6609	+8,3605	,1382	,8620	235	—,005	+ ,01
636	4	+ 6 17 31,68	13,759	+9,5453	—8,8758	—1,1386	—9,8616	236	+,021	+ ,04
637	4	— 0 50 14,09	13,768	9,6484	+8,0082	,1388	,8614	237	+,018	— ,14
638	4	— 7 43 52,24	13,803	9,7226	+8,9679	,1400	,8603	238	+,012	— ,06
639	4	+14 49 33,88	13,828	9,3692	—9,2465	,1407	,8597	240	+,045	— ,17
640	4	+28 32 32,57	13,834	8,5441	—9,5184	,1410	,8595	239	+,010	— ,03
641	1	+39 5 27,58	13,902	—9,0682	—9,6408	—1,1431	—9,8575	243	—,020	+ ,11
642	3	—13 47 30,70	13,928	+9,7723	+9,2189	,1439	,8568	246	+,010	+ ,16
643	4	+15 22 1,20	14,128	9,3617	—9,2709	,1501	,8509	257	+,039	— ,13
644	4	— 1 49 4,83	14,169	9,6590	+8,3504	,1513	,8496	260	+,010	+ ,03
645	4	—42 50 35,69	14,223	9,9015	+9,6836	,1530	,8480	266	,000	+ ,11
646	3	—25 10 47,03	14,275	+9,8401	+9,4815	—1,1546	—9,8463	268	+,001	— ,12
647	4	—25 8 29,02	14,341	,8388	+9,4830	,1566	,8442	5	+,018	— ,11
648	4	— 6 15 40,45	14,450	,7050	+8,8960	,1599	,8407	10	+,020	— ,07
649	4	—19 4 50,14	14,458	,8035	+9,3726	,1601	,8405	13	+,011	+ ,06
650	3	+ 4 29 41,06	14,479	,5786	—8,7518	,1607	,8398	15	+,019	— ,09
651	3	+25 41 13,17	14,487	+8,9638	—9,4956	—1,1610	—9,8395	12	+,015	— ,01
652	4	—14 44 56,82	14,502	9,7752	+9,2653	,1614	,8390	16	+,009	— ,01
653	4	—14 1 9,97	14,567	9,7686	+9,2456	,1634	,8369	21	+,007	+ ,05
654	4	— 3 51 47,95	14,583	9,6803	+8,6889	,1638	,8363	22	+,014	— ,02
655	4	—37 56 28,71	14,607	9,8825	+9,6514	,1646	,8355	26	+,014	+ ,02
656	4	+19 29 20,79	14,627	+9,2577	—9,3863	—1,1651	—9,8349	25	+,001	— ,02
657	4	— 8 3 47,16	14,643	9,7210	+9,0108	,1656	,8343	27	—,001	+ ,07
658	1	—36 56 59,11	14,747	9,8774	+9,6457	,1687	,8308	44	+,015	,00
659	4	—13 53 29,41	14,750	9,7664	+9,2479	,1688	,8306	39	+,016	+ ,04
660	4	+27 51 9,29	14,817	8,8388	—9,5382	,1707	,8283	45	—,011	— ,02
661	4	+ 5 54 19,27	14,860	+9,5599	—8,8808	—1,1720	—9,8268	49	+,012	— ,01
662	4	—15 8 41,30	14,897	,7738	+9,2887	,1730	,8255	52	+,017	+ ,17
663	4	+ 0 52 23,41	14,918	,6274	—8,0515	,1737	,8247	54	+,015	,00
664	4	— 8 55 3,37	14,927	,7251	+9,0623	,1739	,8244	56	+,013	+ ,03
665	4	+13 48 24,11	14,927	,4183	—9,2494	,1739	,8244	55	+,018	— ,06
666	2	—14 55 19,84	14,973	+9,7716	+9,2840	—1,1753	—9,8227	59	+,022	— ,26
667		+ 4 12	15,006	+ ,5855	—8,7407	,1780	,8193	64	+,010	
668	4	— 4 39 46,03	15,123	+ ,6866	+8,7881	,1796	,8171	71	—,006	— ,04
669	4	+48 28 35,68	15,142	— ,3053	—9,7523	,1802	,8164	70	—,002	— ,02
670	4	+ 4 59 13,07	15,182	+ ,5740	—8,8168	,1814	,8147	76	+,004	— ,08
671	4	— 5 42 3,73	15,213	+9,6964	+8,8773	—1,1823	—9,8136	80	+,009	— ,09
672	4	+17 24 17,03	15,226	+ ,3424	—9,3559	,1826	,8131	79	+,017	+ ,08
673	4	+63 46 22,45	15,287	— ,5888	—9,8352	,1843	,8108	82	+,055	— ,01
674	2	— 2 2 15,93	15,413	+ ,6599	+8,4395	,1879	,8056	95	+,021	— ,05
675	3	— 4 56 52,16	15,518	+ ,6875	+8,8248	,1908	,8014	102	+,012	— ,16

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
676	Leonis	5	4	9 23 41,26	+3,536	—8,7728	+8,6815	+0,5485	—8,4595
677	Hydræ	8	4	24 12,59	3,105	,7155	,6223	,4921	7,3666
678	Sextantis	9	4	25 57,75	3,198	,7230	,6228	,5049	7,9125
679	Leo. Min	6.7	4	26 57,93	3,582	,7903	,6862	,5541	8,5131
680	———	8.9	4	29 8,52	3,556	,7888	,6763	,5510	8,4992
681	Hydræ	8.9	5	29 13,37	3,102	—8,7230	+8,6101	+0,4916	—7,3479
682	———	8	4	29 50,12	3,104	,7239	,6086	,4919	7,3750
683	Leo. Min	7	4	31 52,04	3,570	,7981	,6744	,5527	8,5223
684	Leonis	8	4	33 6,08	3,544	,7943	,6662	,5495	8,5041
685	Sextantis	9	4	34 56,40	3,114	,7314	,5961	,4933	7,4979
686	Leonis	7	4	37 2,29	3,371	—8,7641	+8,6203	+0,5278	—8,3230
687	Antl. Pneum.	8	2	37 4,86	2,753	,7665	,6227	,4398	+8,3404
688	———	7.8	4	37 28,61	2,673	,7838	,6386	,4270	+8,4393
689	Sextantis	7	3	37 55,78	3,102	,7352	,5879	,4916	—7,3778
690	———	7.8	4	38 6,02	3,101	,7354	,5874	,4915	—7,3664
691	Sextantis	8	4	40 24,98	2,980	—8,7409	+8,5837	+0,4742	+7,8003
692	Leonis	8	4	40 50,82	3,428	,7825	,6234	,5350	—8,4133
693	———	7	4	41 4,03	3,227	,7484	,5852	,5088	—8,0609
694	Sextantis	8.9	4	42 57,86	3,054	,7415	,5738	,4849	+7,0248
695	———	7	4	45 18,20	2,948	,7499	,5729	,4695	+7,9514
696	Sextantis	8	2	45 29,32	3.142	—8,7467	+8,5689	+0,4972	—7,7438
697	Leonis	8.9	4	46 14,45	3,170	,7497	,5686	,5011	—7,8879
698	Sextantis	7.8	3	47 12,21	2,935	,7538	,5638	,4676	+8,0055
699	———	7.8	4	47 14,99	3,176	,7516	,5663	,5019	—7,9179
700	Leonis	8.9	4	48 59,95	3,490	,8128	,6201	,5428	—8,5157
701	Sextantis *pre.*	7.8	4	49 23,26	3,053	—8,7495	+8,5554	+0,4847	+7,0675
702	——— *seq.*	8	4	49 28,06	3,053	,7496	,5552	,4847	+7,0646
703	———	7.8	4	50 14,72	3,138	,7525	,5548	,4966	—7,7393
704	———	7.8	4	52 41,28	3,038	,7538	,5457	,4826	+7,3788
705	Hydræ	7.8	4	54 36,46	2,914	,7661	,5500	,4645	+8,1025
706	Leonis	8	4	54 49,76	3,198	—8,7635	+8,5462	+0,5049	—8,0309
707	Sextantis	7.8	4	55 6,81	3,125	8,7577	,5393	,4948	7,6758
708	Ursæ Maj.	8	4	55 46,18	4,104	9,0144	,7929	,6132	8,9352
709	Sextantis	8	3	58 0,40	3,118	8,7606	,5299	,4939	7 6305
710	Leonis	8	4	10 2 48,89	3,216	8,7756	,5238	,5073	8,1216
711	Urs. Min.	8	2	9 29,30	4,740	—9,2317	+8,9491	+0,6758	—9,2039
712	Leo. Min.	7.8	4	9 38,15	3,215	8,7847	8,5011	0,5072	—8,1492
713	Camelop.	8	4	10 9,99	10,371	9,8518	9,5631	1,0158	—9,8503
714	Leonis	8	4	10 54,00	3,306	8,8033	8,5148	0,5193	—8,3616
715	Ant. Pneum.	8.9	2	11 36,23	2,743	8,8283	8,5364	0,4382	+8,5023
716	Leonis	8.9	4	13 34,98	3,266	—8,7980	+8,4970	+0,5140	—8,2953
717	Antl. Pneum.	8	3	14 50,81	2,744	,8338	,5267	,4384	+8,5159
718	Hydræ	*neb.*	4	16 52,94	2,882	,7999	,4830	,4597	+8,2860
719	Sextantis	8.9	4	19 37,12	3,049	,7812	,4509	,4842	+7,3018
720	Antl. Pneum.	9	4	22 2,89	2,714	,8575	,5152	,4336	+8,5887

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
676	5	+29 5 26,00	—15,573	+8,8751	—9,5871	—1,1924	—9,7990	109	—,004	— ,01
677	3	+ 2 35 12,75	15,599	9,6085	8,5422	,1931	,7979	114	+,014	,00
678	4	+ 8 54 46,76	15,698	9,5224	9,0834	,1958	,7937	119	+,007	— ,02
679	4	+31 53 34,92	15,751	8,6128	9,6181	,1973	,7913	124	+,002	— ,02
680	4	+30 53 13,85	15,866	8,7634	9,6088	,2005	,7860	131	+,027	— ,01
681	4	+ 2 25 41,39	15,872	+9,6107	—8,5236	—1,2007	—9,7858	134	+,007	+ ,04
682	3	+ 2 34 22,10	15,905	9,6096	8,5507	,2015	,7843	138	—,007	+ ,05
683	4	+32 1 11,30	16,017	8,6902	9,6268	,2046	,7790	145	+,005	+ ,11
684	4	+30 51 19,04	16,078	8,8261	9,6140	,2062	,7761	155	—,001	+ ,05
685	4	+ 3 22 26,35	16,171	9,6010	8,6734	,2087	,7715	161	+,004	+ ,08
686	4	+21 14 30,95	16,280	+9,2856	—9,4686	—1,2117	—9,7659	165	+,018	+ ,06
687	3	—22 0 6,89	16,280	,7924	+9,4836	,2117	,7659	167	—,018	— ,01
688	3	—26 52 42,35	16,298	,8129	+9,5657	,2121	,7650	170	+,015	,00
689	4	+ 2 32 27,34	16,324	,6117	—8,5534	,2128	,7636	171	+,004	— ,03
690	4	+ 2 28 22,01	16,335	,6117	—8,5420	,2131	,7631	172	+,015	— ,01
691	4	— 6 33 34,95	16,449	+9,6964	+8,9735	—1,2161	—9,7570	180	+,021	+ ,02
692	4	+25 19 12,21	16,472	,1732	—9,5456	,2167	,7557	183	+,010	— ,02
693	4	+11 52 13,26	16,485	,4885	—9,2276	,2171	,7550	184	+,010	— ,09
694	4	— 1 5 21,14	16,578	,6474	+8,2008	,2195	,7498	192	+,003	— ,05
695	4	— 9 8 2,62	16,688	,7126	+9,1219	,2224	,7434	203	+,018	+ ,02
696		+ 5 43	16,698	+9,5763	—8,9177	—1,2227	—9,7428	204	+,008	
697	4	+ 7 56 34,24	16,736	,5490	—9,0598	,2237	,7405	206	+,017	— ,14
698	4	—10 15 45,08	16,781	,7202	+9,1745	,2248	,7378	210	+,025	— ,07
699	4	+ 8 27 8,53	16,784	,5428	—9,0892	,2249	,7377	208	+,013	,00
700	4	+30 18 44,70	16,870	,0128	—9,6280	,2271	,7324	214	+,017	— ,18
701	3	— 1 9 50,84	16,885	+9,6474	+8,2405	—1,2275	—9,7314	219	+,008	+ ,03
702	4	— 1 10 4,47	16,889	,6474	+8,2406	,2276	,7312	220	+,010	— ,01
703	4	+ 5 35 23,42	16,926	,5798	—8,9134	,2286	,7288	222	+,011	— ,05
704	4	— 2 24 17,09	17,041	,6590	+8,5545	,2315	,7214	228	+,012	— ,01
705	4	—12 30 31,08	17,126	,7300	+9,2682	,2337	,7156	232	+,004	+ ,07
706	4	+10 41 20,69	17,119	+9,5185	—9,1994	—1,2340	—9,7148	234	+,010	— ,05
707	4	+ 4 45 32,89	17,150	+ ,5899	8,8504	,2343	,7139	235	+,012	— ,14
708	4	+56 27 9,11	17,183	— ,2765	9,8539	,2351	,7116	236	+,004	+ ,02
709	4	+ 4 16 20,90	17,278	+ ,5966	8,8054	,2375	,7048	243	—,001	— ,18
710	4	+12 50 30,71	17,488	+ ,4983	9,2868	,2427	,6890	4	+,017	— ,07
711	2	+69 44 44,48	17,770	—9,4533	—9,9199	—1,2497	—9,6651	30	+,007	— ,10
712	4	+13 26 25,43	17,770	+ ,4983	— ,3133	,2497	,6651	34	+,010	— ,10
713	4	+85 13 44,30	17,824	— ,6228	— ,9475	,2510	,6602	14	—,016	— ,02
714	3	+21 13 31,79	17,821	+ ,3802	— ,5072	,2509	,6605	37	+,007	+ ,07
715	3	—28 8 22,75	17,851	+ ,7767	+ ,6237	,2517	,6578	43	+,011	+ ,08
716	4	+18 20 25,21	17,928	+9,4330	—9,4488	—1,2535	—9,6505	50	+,011	— ,10
717	3	—28 43 55,36	17,977	,7730	+9,6349	,2547	,6457	56	+,012	+ ,16
718	4	—17 48 46,15	18,056	,7372	+9,4407	,2566	,6377	68	+,038	— ,07
719	4	— 1 52 45,52	18,158	,6513	+8,4776	,2591	,6268	81	+,012	— ,10
720	4	—32 34 13,81	18,246	,7701	+9,6904	,2612	,6169	92	+,028	+ ,04

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
721	Ursæ Maj.	8	4	10 22 28,51	+3,837	—9,0187	+8,6737	+0,5840	—8,9290
722	———	8	4	23 42,44	3,715	8,9765	,6254	,5701	—8,8608
723	Hydræ	8	3	24 38,07	2,842	,8206	,4648	,4536	+8,4087
724	52 Navis	6.7	4	24 58,27	2,545	,9304	,5731	,4057	+8,7740
725	Antl. Pneum.	8	4	25 22,19	2,726	,8601	,5008	,4355	+8,5909
726	Antl. Pneum.	8	4	27 11,54	2,727	—8,8635	+8,4945	+0,4357	+8,5989
727	———	8.9	4	29 1,27	2,807	,8383	,4598	,4482	+8,4926
728	Hydræ	8	4	31 9,65	2,916	,8093	,4194	,4648	+8,2686
729	Leonis	9	4	32 53,66	3,197	,8066	,4071	,5047	—8,2143
730	Sextantis	8	4	34 39,35	3,115	,7952	,3858	,4935	—7,7768
731	Leo. Min.	8	4	36 45,98	3,358	—8,8638	+8,4427	+0,5261	—8,5815
732	Antl. Pneum.	8	4	37 22,57	2,809	,8527	,4281	,4485	+8,5362
733	Hydræ	8	4	38 55,05	2,945	,8112	,3776	,4691	+8,2213
734	Sextantis	8	4	42 0,86	3,004	,8028	,3507	,4777	+7,9544
735	Hyd. & Crat.	7	4	42 44,02	3,006	,8032	,3467	,4780	+7,9485
736	Sextantis	8	4	43 25,43	3,006	—8,8036	+8,3430	+0,4780	+7,9480
737	Leonis	8.9	4	43 37,76	3,132	,8040	,3422	,4958	—7,9643
738	Ursæ Maj.	7	4	46 51,47	3,456	,9365	,4542	,5386	—8,7692
739	Leonis	8.9	4	47 24,28	3,130	,8067	,3210	,4955	—7,9781
740	———	8	4	49 53,12	3,233	,8373	,3356	,5096	—8,4177
741	Leonis	8	4	50 58,84	3,143	—8,8118	+8,3025	+0,4973	—8,0838
742	———	8.9	4	52 45,63	3,178	,8220	,3005	,5021	8,2592
743	———	7.8	4	53 59,95	3,135	,8124	,2827	,4962	8,0535
744	———	8	4	54 9,28	3,073	,8059	,2751	,4876	6,9323
745	Ursæ Maj.	8	4	55 35,79	3,368	,9169	,3753	,5274	8,7169
746	Leonis	8	3	55 37,52	3,073	—8,8067	+8,2656	+0,4876	—6,9694
747	———	7.8	4	55 56,46	3,156	,8190	,2756	,4991	8,1883
748	———	8	1	58 4,71	3,118	,8120	,2560	,4939	7,9555
749	———	7.8	4	58 39,39	3,137	,8164	,2530	,4965	8,1003
750	Ursæ Maj.	7.8	3	59 22,59	3,565	9,0502	,4813	,5523	8,9637
751	Leonis	7	4	59 54,68	3,062	—8,8090	+8,2360	+0,4860	+7,0651
752	———	7	4	11 0 0,69	3,181	,8309	,2575	,5026	—8,3229
753	Leo. Min.	7	4	3 14,05	3,323	,9126	,3137	,5215	—8,6997
754	Leonis	8.9	5	5 55,92	3,077	,8120	,1912	,4481	—7,3010
755	———	8	3	6 7,77	3,143	,8241	,2016	,4973	—8,1922
756	Ursæ Maj.	7.8	3	9 4,70	3,300	—8,9052	+8,2911	+0,5185	—8,6777
757	Leonis	7	4	9 47,63	3,134	,8245	,1703	,4961	—8,1716
758	Crateris	8	3	10 26,23	3,037	,8162	,1559	,4824	+7,8378
759	———	8	4	11 26,02	3,038	,8166	,1472	,4826	+7,8382
760	Leonis	8	4	13 2,57	3,091	,8163	,1325	,4901	—7,7404
761	Leonis	7.8	4	14 37,21	3,091	—8,8171	+8,1177	+0,4901	—7,7588
762	Hydræ	8	3	14 53,75	2,883	8,9041	,2021	,4598	+8,6666
763	Ursæ Maj.	7	4	15 26,96	3,369	9,0030	,2951	,5275	—8,8840
764	Hydræ	7	4	15 51,61	2,888	8,9036	,1923	,4606	+8,6646
765	Leonis	8	2	17 14,70	3,096	8,8193	,0935	,4908	—7,8819

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	b'	c'	d'		A.R.	Decn.
		° ′ ″	″						s.	″
721	4	+54 25 35,81	—18,265	—8,9445	—9,8699	—1,2616	—9,6147	88	+,011	—0,10
722	5	+50 1 14,71	18,309	—8,5185	—9,8449	,2626	,6096	96	+,027	— ,07
723	3	—22 45 32,96	18,341	+9,7451	+9,5494	,2634	,6056	103	+,007	+ ,04
724	4	—44 13 29,33	18,350	,7723	+9,8053	,2636	,6045	107	—,004	— ,10
725	3	—32 31 33,32	18,365	,7642	+9,6928	,2640	,6027	108	+,022	+ ,06
726	4	—32 55 8,09	18,429	+9,7619	+9,6989	—1,2655	—9,5945	115	+,020	+ ,08
727	4	—26 48 29,59	18,490	,7490	+9,6193	,2669	,5865	120	+,019	,00
728	4	—16 43 31,34	18,561	,7202	+9,4259	,2686	,5767	130	+,016	— ,01
729	4	+14 49 54,01	18,619	,5119	—9,3758	,2699	,5685	132	+,020	— ,16
730	4	+ 5 31 25,16	18,675	,5988	— 8,9509	,2713	,5599	140	+,026	— ,18
731	2	+31 29 19,37	18,741	+9,2672	—9,6885	—1,2728	—9,5497	146	+,020	— ,01
732	4	—28 49 24,41	18,760	,7404	+9,6548	,2732	,5467	151	+,017	+ ,08
733	4	—14 52 14,19	18,807	,7059	+9,3825	,2743	,5389	156	+,020	— ,22
734	3	— 8 7 25,46	18,900	,6785	+9,1260	,2764	,5224	168	+,029	— ,07
735	4	— 8 1	18,921	,6776	+9,1203	,2769	,5185	174	+,011	
736	4	— 7 59 49,14	18,940	+9,6776	+9,1199	—1,2774	—9,5148	178	+,021	+ ,01
737	3	+ 8 19 52,53	18,946	,5821	—9,1358	,2775	,5137	179	+,013	— ,15
738	4	+42 53 6,50	19,038	,0212	—9,8103	,2796	,4954	191	+,009	— ,08
739	3	+ 8 33 10,80	19,051	,5832	—9,1493	,2799	,4923	195	+,017	— ,11
740	4	+22 23 8,43	19,118	,4579	—9,5598	,2814	,4777	201	+,030	— ,03
741	4	+10 48 29,25	19,147	+9,5694	—9,2522	—1,2821	—9,4709	204	+,008	— ,06
742	5	+15 54 14,61	19,192	,5289	9,4184	,2831	,4597	213	+,008	— ,29
743	4	+10 3 8,36	19,223	,5775	9,2229	,2838	,4521	220	+,008	— ,16
744	4	+ 0 47 9,28	19,226	,6335	8,1084	,2839	,4512	221	+,017	— ,09
745	3	+39 7 43,06	19,262	,2122	9,7827	,2847	,4412	228	—,001	— ,01
746	4	+ 0 51 6,15	19,261	+9,6335	—8,1454	—1,2847	—9,4417	230	+,011	— ,08
747	4	+13 32 59,92	19,270	,5539	9,3521	,2849	,4394	231	+,002	— ,03
748	3	+ 8 1 19,14	19,311	,5944	9,1274	,2858	,4278	239	+,008	+ ,03
749	4	+11 5 54,38	19,334	,5740	9,2682	,2863	,4209	244	+,016	— ,06
750	4	+55 2 12,87	19,352	8,5563	9,8982	,2867	,4158	246	+,009	— ,28
751	4	— 1 0 59,40	19,363	+9,6425	+8,2411	—1,2870	—9,4120	250	+,031	— ,06
752	4	+18 5 41,90	19,364	,5224	—9,4770	,2870	,4116	251	+,011	— ,11
753	5	+37 46 53,61	19,437	,2856	—9,7737	,2886	,3877	5	—,006	— ,17
754	4	+ 1 46 47,94	19,492	,6304	—8,4768	,2899	,3671	15	+,019	+ ,01
755	1	+13 30 50,84	19,497	,5658	—9,3562	,2899	,3655	17	+,011	— ,08
756	4	+36 20 18,46	19,476	+9,3222	—9,7600	—1,2895	—9,3734	26	+,016	— ,05
757	4	+12 52 52,38	19,569	,5740	—9,3367	,2915	,3353	31	+,015	— ,15
758	3	— 6 0 49,89	19,581	,6571	+9,0115	,2918	,3296	35	+,004	— ,12
759	6	— 6 0 9,30	19,599	,6571	+9,0119	,2922	,3208	39	+,003	— ,08
760	4	+ 4 50 1,70	19,627	,6180	— 8,9150	,2928	,3070	45	+,006	— ,08
761	4	+ 5 2 1,65	19,655	+9,6180	—8,9332	—1,2935	—9,2921	47	+,012	— ,18
762	5	—35 20 39,58	19,665	,6693	+9,7541	,2937	,2896	51	—,001	— ,19
763	4	+49 30 16,22	19,670	,1335	—9,8727	,2938	,2838	52	—,001	— ,11
764	4	—35 11 26,11	19,675	,6674	+9,7529	,2939	,2806	57	+,015	— ,18
765	3	+ 6 38 57,84	19,698	,6128	—9,0551	,2944	,2667	66	+,014	— ,11

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
766	Leonis	8	4	11 22 30,50	+3,046	—8,8240	+8,0345	+0,4837	+7,8275
767	17 Hydræ	6.7	4	24 9,19	2,956	,8742	8,0698	,4707	8,5513
768	———	8	4	24 22,98	2,948	,8815	8,0754	,4695	8,5816
769	Crateris	8	4	25 17,51	3,048	,8211	8,0016	,4840	7,8143
770	———	7.8	3	26 1,26	3,052	,8206	7,9925	,4846	7,7295
771	Hydræ	9	4	27 43,54	2,943	—8,9006	+8,0493	+0,4688	+8,6470
772	———	7	4	30 13,97	2,957	,8953	8,0088	,4708	+8,6281
773	Ursæ Maj.	7.8	3	33 2,69	3,206	,9508	8,0196	,5060	—8,7774
774	Crateris	8	4	33 34,42	3,007	,8532	7,9132	,4781	+8,4224
775	Hydræ	7.8	4	33 37,61	2,974	,8908	7,9508	,4733	+8,6101
776	Leonis	9	2	38 22,07	3,103	—8,8389	+7,8104	+0,4918	—8,2762
777	Ursæ Maj.	8	4	41 59,71	3,171	,9697	,8608	,5012	—8,8158
778	Leonis	8	4	44 3,06	3,096	,8417	,6790	,4908	—8,3014
779	Virginis	8	4	45 4,42	3,067	,8236	,6323	,4867	+7,5424
780	Leonis	8	4	45 25,57	3,090	,8379	,6367	,4900	—8,2486
781	Virginis	7	4	45 39,99	3,076	—8,8253	+7,6159	+0,4880	—7,8273
782	———	7	4	46 26,91	3,068	,8232	,5884	,4869	+6,8054
783	65 Ursæ Maj.	7.8	4	46 32,47	3,151	,9924	,7533	,4984	—8,8591
784	Leonis	9.10	4	46 56,64	3,089	,8404	,5901	,4898	—8,2807
785	Virginis	8	4	47 0,72	3,070	,8235	,5710	,4871	—7,3627
786	Leonis	7.8	3	47 46,35	3,089	—8,8418	+7,5636	+0,4898	—8,2981
787	Virginis	7.8	4	48 29,00	3,081	,8321	,5266	,4887	8,1286
788	Leonis	9.10	3	49 13,27	3,087	,8436	,5090	,4895	8,3173
789	Virginis	7	3	49 21,10	3,076	,8276	,4875	,4880	7,9639
790	———	8.9	3	50 6,27	3,073	,8253	,4507	,4876	7,7854
791	Ursæ Maj.	8.9	4	52 11,19	3,146	—9,1280	+7,6488	+0,4978	—9,0666
792	Virginis	8	3	53 4,32	3,073	8,8274	7,2955	,4876	—7,9372
793	Corvi	8	4	55 53,49	3,060	,8513	7,0859	,4857	+8,3884
794	Leonis	8	4	57 2,46	3,073	,8461	6,9227	,4876	—8,3404
795	Hydræ	7.8	3	59 53,89	3,068	,9042	—5,6690	,4869	+8,6493
796	Ursæ Maj.	8.9	4	12 0 6,96	3,070	—9,0146	—6,1773	+0,4871	—8,8980
797	Corvi	7.8	4	5 10,24	3,080	8,8529	7,2252	,4885	+8,4023
798	Virginis	7	3	5 51,62	3,071	,8253	,2482	,4873	+7,7509
799	———	9.10	4	7 21,07	3,059	,8329	,3498	,4856	—8,1417
800	———	8	4	9 17,08	3,053	,8393	,4555	,4847	—8,2616
801	*1 Virginis	7	5	9 44,74	3,071	—8,8241	—7,4613	+0,4873	+7,5525
802	Comæ Ber.	8	4	9 45,08	3,048	,8487	,4859	,4840	—8,3686
803	———	9	4	14 40,88	3,041	,8427	,6553	,4830	—8,3119
804	Virginis	7.8	4	16 10,39	3,060	,8246	,6800	,4857	—7,7833
805	———	8	3	16 18,02	3,058	,8251	,6840	,4854	—7,8395
806	Virginis	7.8	3	17 33,04	3,059	—8,8243	—7,7138	+0,4856	—7,7718
807	Centauri	8	3	18 44,63	3,137	,8935	,8115	,4965	+8,6162
808	Virginis	9	4	19 17,83	3,057	,8242	,7544	,4853	—7,7897
809	———	8	4	19 22,85	3,071	,8225	,7541	,4873	+7,2355
810	———	8.9	4	19 53,94	3,033	,8405	,7853	,4819	—8,2938

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s	″
766	4	— 5 48 55,68	—19,779	+9,6513	+9,0013	—1,2962	—9,2092	91	+,021	—0,06
767	4	—28 21 51,31	19,801	,6590	,6717	,2967	,1903	95	+,002	+ ,17
768	4	—30 4 6,57	19,802	,6551	,6948	,2967	,1887	97	+,013	— ,19
769	4	— 5 37 56,65	19,817	,6503	8,9883	,2970	,1756	104	+,008	— ,17
770	3	— 4 37 22,27	19,826	,6484	,9041	,2972	,1672	108	+,011	— ,11
771	4	—33 52 47,08	19,847	+9,6415	+9,7422	—1,2977	—9,1444	112	+,023	,00
772	4	—32 41 51,28	19,877	,6385	+ ,7291	,2983	,1099	127	+ ,012	— ,02
773	4	+42 8 53,89	19,907	,3874	— ,8237	,2990	,0659	137	+,051	— ,07
774	4	—21 44 37,22	19,913	,6484	+ ,5663	,2991	,0572	142	+,005	— ,06
775		—31 34	19,913	,6335	+ ,7165	,2991	,0572	143	+,015	
776	4	+15 54 45,01	19,957	+9,5933	—9,4353	—1,3001	—8,9696	155	—,003	,00
777	4	+44 34 15,58	19,982	,4065	—9,8447	,3007	,8898	165	+,026	— ,10
778	4	+16 45 50,49	19,996	,5977	—9,4587	,3009	,8363	169	+,012	— ,07
779	4	— 2 58 15,36	20,002	,6365	+8,7179	,3011	,8078	173	+,009	— ,04
780	4	+14 56 28,42	20,004	,6064	—9,4098	,3011	,7979	177	+,007	— ,17
781	3	+ 5 47 26,33	20,005	+9,6345	—9,0012	—1,3011	—8,7898	180	+,018	— ,09
782	4	— 0 31 33,81	20,009	,6385	+7,9815	,3012	,7645	182	+,015	— ,47
783	1	+47 23 22,81	20,010	,4014	—9,8660	,3012	,7601	183	+,016	,00
784	3	+16 1 26,63	20,011	,6042	—9,4596	,3013	,7490	186	+,022	— ,07
785	3	+ 2 0 39,83	20,012	,6375	—8,5385	,3013	,7468	187	+,018	— ,04
786	3	+16 38 38,71	20,015	+9,6031	—9,4557	—1,3014	—8,7212	194	+,021	— ,06
787	4	+11 26 30,09	20,019	,6191	,2960	,3014	,6940	197	+,006	— ,02
788	4	+17 20 39,71	20,021	,6021	,4732	,3015	,6650	198	+,025	— ,01
789	4	+ 7 53 23,50	20,022	,6274	,1358	,3016	,6595	201	+,021	— ,14
790	4	+ 5 15 17,53	20,026	,6314	8,9597	,3017	,6250	205	+,002	— ,23
791	4	+60 15 53,62	20,032	+9,2695	—9,9384	—1,3019	—8,5205	210	+,018	— ,12
792	4	+ 7 25 9,72	20,036	,6294	— ,1097	,3019	,4680	215	+,016	— ,01
793	4	—20 7 33,69	20,040	,6159	+ ,5371	,3019	,2346	223	+,005	— ,19
794	4	+18 12 16,98	20,041	,6107	— ,4942	,3019	,0765	229	+,006	— ,11
795	4	—33 45 38,73	20,043	,5575	+ ,7451	,3020	+6,7648	240	—,006	+ ,13
796	4	+49 52 48,87	20,043	+9,4456	—9,8834	—1,3020	+7,1627	242	,000	— ,25
797	4	—20 43 21,41	20,038	,5999	+9,5492	,3018	8,3722	14	+,023	— ,11
798	4	— 4 48 36,73	20,037	,6345	+8,9255	,3018	,4227	17	—,004	— ,01
799	4	+11 46 49,73	20,035	,6355	—9,3086	,3017	,5167	23	+,009	+ ,04
800	4	+15 21 19,08	20,027	,6325	—9,4219	,3016	,6159	30	+,003	— ,16
801	4	— 3 2 33,22	20,025	+9,6355	+8,7279	—1,3016	+8,6368	32	+,007	+ ,05
802	3	+19 20 49,26	20,025	,6263	—9,5195	,3016	,6368	34	+,011	— ,08
803	4	+17 9 19,59	20,001	,6375	9,4683	,3011	,8117	62	+,014	— ,07
804	4	+ 5 14 26,64	19,994	,6425	8,9575	,3008	,8543	72	+,014	— ,22
805	3	+ 5 57 26,29	19,991	,6425	9,0133	,3008	,8578	73	+,013	— ,31
806	4	+ 5 6 27,82	19,983	+9,6425	—8,9461	—1,3007	+8,8882	77	+,004	— ,20
807	2	—31 52 4,46	19,975	,5366	+9,7213	,3005	,9165	82	—,005	,00
808		+ 5 19	19,971	,6434	—8,9639	,3004	,9286	86	+,015	
809	1	— 1 28 9,48	19,971	,6365	+8,4115	,3004	,9301	89	+,002	— ,25
810	4	+16 31 36,39	19,966	,6444	—9,4517	,3003	,9432	94	+,010	+ ,04

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s				
811	Comæ Ber.	8	4	12 20 32,78	+3,007	—8,8714	—7,8291	+0,4781	—8,5252
812	Corvi	6	4	21 43,52	3,122	,8573	,8396	,4944	+8,4459
813	Virginis	7.8	2	23 20,41	3,041	,8299	,8429	,4830	—8,1163
814	———	8	4	23 22,31	3,037	,8329	,8472	,4824	—8,1855
815	Corvi	8	2	25 12,44	3,130	,8560	,9025	,4955	+8,4413
816	Can. Ven.	7	4	25 42,45	2,965	—8,9039	—7,9595	+0,4720	—8,6545
817	1 Comæ Ber.	7.8	4	26 52,72	3,013	,8459	,9202	,4790	—8,3644
818	Corvi	8	4	28 1,14	3,114	,8367	,9290	,4933	+8,2636
819	Virginis	9	4	28 46,98	3,022	,8357	,9403	,4803	—8,2525
820	———	6	1	30 55,13	3,090	,8233	,9590	,4900	+7,9183
821	Virginis	7.8	4	32 28,62	3,022	—8,8319	—7,9861	+0,4803	—8,2032
822	Can. Ven.	7	4	34 30,29	2,854	,9831	8,1662	,4554	—8,8455
823	Comæ Ber.	7.8	3	34 35,75	2,955	,8780	,0628	,4706	—8,5668
824	Virginis	8.9	3	35 10,69	3,055	,8195	,0118	,4850	—7,6052
825	———	7.8	5	35 46,58	3,075	,8188	,0185	,4878	+7,3543
826	Virginis	8.9	4	38 8,79	3,068	—8,8178	—8,0453	+0,4869	—5,7587
827	———	8	4	38 16,62	3,068	,8178	,0468	,4839	—6,3954
828	Comæ Ber. *pre.*	8	2	43 47,65	2,975	,8430	,1316	,4735	—8,3777
829	———	10	4	43 55 92	2,970	,8458	,1358	,4728	—8,4007
830	Can. Ven.	10	4	44 46,98	2,782	,9870	,2857	,4444	—8,8557
831	Virginis	9.10	4	45 57,15	3,100	—8,8180	—8,1284	+0,4914	+7,8871
832	———	7.8	3	47 17,31	3,008	,8247	,1473	,4783	—8,1561
833	———	8.9	4	47 17,52	3,002	,8268	,1493	,4774	—8,1961
834	———	7.8	4	48 27,22	3,178	,8448	,1784	,5021	+8,4050
835	Centauri	8	3	49 55,90	3,253	,8876	,2345	,5123	+8,6182
836	Virginis	7	4	53 8,63	3,055	—8,8124	—8,1872	+0,4850	—7,4313
837	Centauri	8	4	54 1,38	3,276	,8902	,2722	,5153	+8,6313
838	Comæ Ber.	7	4	55 3,56	2,926	,8515	,2414	,4663	—8,4608
839	Virginis	9	3	55 47,53	3,034	,8132	,2100	,4820	—7,8361
840	———	7.8	4	55 47,79	2,999	,8206	,2176	,4770	—8,1420
841	Virginis	8	4	56 22,48	3,062	—8,8106	—8,2122	+0,4860	—7,1132
842	———	9	4	56 49,96	3,110	8,8138	,2191	,4928	+7,9169
843	Ursæ Maj.	8	4	57 16,34	2,598	9,0495	,4580	,4146	—8,9619
844	Virginis	8.9	4	57 25,79	3,038	8,8116	,2217	,4826	—7,7476
845	———	9	3	57 54,91	3,040	8,8113	,2250	,4829	—7,7354
846	Centauri	7.8	3	57 56,35	3.288	—8,8874	—8,3011	+0,5169	+8,6264
847	Virginis	8.9	4	58 42,24	3,099	8,8112	,2306	,4912	+7,7699
848	Ursæ Maj.	8	3	59 53 89	2,519	9,0834	,5094	,4012	—9,0112
849	Virginis		4	13 0 20,07	3,146	8.8191	,2512	,4978	+8,1573
850	Comæ Ber.		3	1 27,89	2,950	8,8307	,2707	,4698	—8,3288
851	Can. Ven.	8	3	3 36,78	2,879	—8 8579	—8,3141	+0,4592	—8,5187
852	Virginis		5	4 44,07	3,152	8,8169	,2810	,4986	+8,1562
853	Ursæ Maj.	6.7	3	5 50,04	2,569	9,0237	,4953	,4058	—8,9246
854	Virginis *pre.*	7	4	6 21,62	3,139	8,8126	,2884	,4968	+8,0733
855	——— *seq.*	8	4	6 24,38	3,139	8,8126	,2884	,4968	+8,0733

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
811	2	+26 48 32,74	—19,961	+9,6314	—9,6520	—1,3002	+8,9559	96	+,014	+0,04
812	3	—22 47 16,84	19,952	,5599	+ ,5866	,3000	8,9803	105	+,015	— ,03
813	2	+11 10 47,04	19,942	,6484	— ,2841	,2997	9,0107	113	—,007	,00
814	3	+13 2 4,43	19,937	,6484	— ,3503	,2997	,0120	114	+,021	— ,16
815	3	—22 36 13,20	19,920	,5539	+ ,5826	,2993	,0437	117	+,024	— ,07
816	4	+34 17 23,50	19,915	+9,6263	—9,7477	—1,2992	+9,0527	124	—,003	— ,16
817	4	+19 16 50,58	19,904	,6522	— ,5154	,2989	,0712	132	+,012	— ,13
818	4	—15 28 52,02	19,892	,5866	+ ,4236	,2987	,0890	134	+,019	— ,12
819	4	+15 9 21,27	19,883	,6551	— ,4133	,2985	,1011	138	—,011	— ,10
820	4	— 7 7 39,86	19,859	,6170	+ ,0910	,2979	,1317	147	+,011	— ,16
821	4	+13 37 3,80	19,843	+9,6580	—9,36[illegible]9	—1,2976	+9,1498	154		— ,09
822	4	+46 46 42,58	19,815	,6096	—9,8573	,2970	,1781	164	+,006	+ ,08
823	4	+29 15 42,54	19,814	,6561	—9,6[illegible]37	,2969	,1797	165	+,011	— ,19
824	3	+ 3 31 14,43	19,805	,6154	—8,7805	,2968	,1871	167	+,013	— ,03
825	4	— 1 56 33,09	19,796	,6325	+8,5301	,2966	,1943	170	+,008	— ,03
826	4	+ 0 4 30,95	19,764	+9,6375	—6,9347	—1,2959	+9,2214	174	+,024	— ,15
827	4	+ 0 14 3,20	19,762	,6375	7,5715	,2958	,2229	176	+,014	— ,16
828	6	+20 3 35,53	19,675	,6748	9,5267	,2939	,2806	201	+,036	— ,17
829	4	+21 3 52,04	19,674	,6758	9,5469	,2939	,2819	203	+,027	— ,17
830	4	+47 40 7,59	19,658	,6464	9,8602	,2935	,2902	209	+,012	— ,09
831	3	— 6 43 3,66	19,637	+9,6107	+9,0602	—1,2931	+ 9,3015	216	+,016	— ,16
832	4	+12 23 15,47	19,615	,6702	— ,3219	,2926	,3131	221	+,022	+ ,04
833	4	+13 35 33,81	19,615	,6721	— ,3609	,2926	,3131	222	+,026	— ,11
834	4	—21 16 53,56	19,594	,5159	+ ,5503	,2921	,3238	225	+,019	— ,03
835	4	—32 30 6,00	19,566	,3979	+ ,7201	,2915	,3365	233	+,011	— ,07
836	4	+ 2 24 20,68	19,504	+9,6464	—8,6071	—1,2901	+9,3629	246	+,023	— ,06
837	4	—33 24 24,98	19,486	,3674	+9,7288	,2897	,3698	247	+,015	+ ,08
838	3	+24 5 7,63	19,464	,6937	—9,5974	,2892	,3781	252	+,011	— ,02
839	4	+ 6 4 16,78	19,447	,6609	—9,0097	,2889	,3837	256	+,004	— ,01
840	4	+12 6 53,33	19,447	,6758	—9,3083	,2889	,3837	257	+,014	+ ,02
841	4	+ 1 10 57,11	19,435	+9,6429	—8,2892	—1,2886	+9,3882	258	+,007	— ,01
842	4	— 7 16 2,87	19,425	,6021	+9,0894	,2884	,3917	259	+,027	— ,13
843	4	+54 50 2,47	19,417	,6561	—9,8986	,2882	,3947	261	+,005	— ,23
844	5	+ 4 58 24,36	19,412	,6571	—8,9220	,2881	,3961	260	+,025	— ,02
845	4	+ 4 49 35,18	19,402	,6571	—8,9100	,2878	,3996	265	+,024	— ,26
846	3	—33 14 14,89	19,402	+9,3522	+9,7249	—1,2878	+9,3996	263	+,002	— ,03
847	4	— 5 12 11,55	19,386	,6117	+8,9442	,2875	,4049	271	+,005	— ,13
848	4	+57 54 14,08	19,367	,6522	—9,9129	,2870	,4111	275	+,023	— ,09
849	3	—12 33 45,96	19,348	,5647	+9,3228	,2866	,4167	277	+,002	+ ,14
850	4	+18 21 39,37	19,324	,6955	—9,4822	,2861	,4242	282	+,025	— ,07
851	4	+27 15 41,00	19,272	+9,7093	—9,6437	—1,2849	+9,4390	10	+,016	— ,05
852	4	—12 35 45,36	19,244	,5599	+ ,3216	,2843	,4465	19	+,001	— ,06
853	4	+52 46 15,28	19,218	,6893	— ,8826	,2837	,4533	24	+,003	+ ,02
854	5	—10 29 6,51	19,203	,5729	+ ,2520	,2834	,4572	25	—,002	— ,36
855	3	—10 28 42,61	19,[illegible]03	,5729	+ ,2420	,2834	,4572	26	+,008	— ,17

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
856	Virginis	8	3	13 6 57,78	+3,117	—8,8084	—8,2883	+0,4937	+7,9065
857	———	8.9	3	8 18,28	3,110	8,8066	,2956	,4928	+7,8319
858	———	7.8	4	8 19,77	3,154	8,8143	,3032	,4989	+8,1433
859	Ursæ Maj.	8.9	3	8 27,41	2,382	9,1072	,5961	,3769	—9,0454
860	Virginis	8	4	9 32,54	2,964	8,8178	,3147	,4719	—8,2198
861	Virginis	8	4	10 3,07	3,107	—8,8051	—8,3056	+0,4923	+7,7801
862	———	8	4	10 20,92	3,158	,8123	,3145	,4987	8,1230
863	———	8	3	10 50,26	3,143	,8097	,3155	,4973	8,0621
864	———	8	4	10 58,73	3,152	,8116	,3182	,4986	8,1162
865	———	7.8	4	12 37,59	3,135	,8072	,3245	,4962	8,0094
866	Hydræ	6	3	12 41,80	3,209	—8,8250	—8,3427	+0,5064	+8,3298
867	Virginis	8	3	12 57,63	3,149	,8093	,3284	,4982	+8,0860
868	Comæ Ber.	8	3	13 49,29	2,925	,8242	,3487	,4661	—8,3283
869	Hydræ	8.9	3	13 58,49	3,199	,8206	,3464	,5050	+8,2910
870	Virginis	7	4	14 0,62	3,108	,8026	,3284	,4925	+7,7722
871	Ursæ Maj. *seq.*	6.7	4	17 19,76	2,417	—9,0484	—8,5944	+0,3833	—8,9658
872	Virginis	7.8	3	18 22,50	3,108	8,7996	,3523	,4925	+7,7484
873	Hydræ	8	3	19 18,68	3,248	,8287	,3870	,5116	+8,3941
874	———	7	4	19 27,68	3,275	,8377	,3908	,5152	+8,4535
875	Virginis	7	2	19 52,03	3,068	,7968	,3583	,4869	—5,5606
876	Virginis	8	4	19 52,11	3,140	—8,8021	—8,3636	+0,4969	+7,9925
877	———	7	2	20 26,57	2,931	8,8148	,3794	,4670	-8,2696
878	Hydræ	7	4	21 9,01	3,233	8,8216	,3904	,5096	+8,3447
879	Ursæ Min.	7	4	21 57,26	1,515	9,3349	,9080	,1804	—9,3160
880	Virginis	8	3	22 16,63	3,141	8,8004	,3758	,4971	+7,9883
881	Virginis	8		22	3,080	—8,7953	—8,3707	+0,4885	+7,1985
882	———	9	3	22 44,51	3,080	8,7970	,3731	,4885	+7,1931
883	Ursæ Maj.	8	3	22 48,39	2,223	9,1059	,6840	,3469	—9,0466
884	Hydræ	8	4	22 49,98	3,291	8,8385	,4170	,5173	+8,4690
885	Vriginis	8.9	4	23 48,21	2,985	8,8004	,3846	,4749	—8,0314
886	Ursæ Min.	7	4	25 38,25	0,444	—9,5308	—9,1244	+9,6474	—9,5235
887	Virginis	8	4	26 54,73	3,104	8,7928	8,3945	0,4919	+7,6489
888	———	8	4	27 17,18	3,146	,7968	,4003	,4978	+7,9895
889	———	8	3	28 14,84	3,209	,8071	,4160	,5064	+8,2376
890	———	9	4	29 6,17	3,119	,7923	,4056	,4940	+7,7994
891	Virginis	9	4	29 30,85	3,074	—8,7898	—8,4056	+0,4877	+6,9162
892	———	8	4	30 2,69	3,093	,7899	,4082	,4904	+7,4940
893	———	8.9	4	30 10,59	3,049	,7895	,4089	,4842	—7,3500
894	———	7.8	4	30 44,29	3,010	,7915	,4137	,4786	—7,8375
895	Bootis	7.8	4	32 50,92	2,867	,8164	,4499	,4574	—8,3675
896	Virginis	9	3	34 16,95	3,167	—8,7932	—8,4339	+0,5006	+8,0532
897	Can Ven.	9	3	34 54,61	2,769	8,8437	,4875	,4443	—8,5295
898	Virginis	7	4	35 0,82	3,101	8,7864	,4302	,4915	+7,5679
899	———	7	3	35 3,94	2,991	8,7896	,4345	,4758	—7,9394
900	Draconis	7.8	3	36 23,09	1,862	9,1687	,8200	,2700	—9,1282

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a′	b′	c′	d′	Piazzi No.	Annual P. M. A.R.	Decn.
		° ′ ″	″						s.	″
856	3	— 7 11 17,12	—19,188	+9,5955	+9,0791	—1,2830	+9,4609	28	+,016	—0,06
857	3	— 6 3 58,53	19,154	,6031	+ ,0055	,2823	,4692	34	+,011	— ,10
858	3	—12 17 24,79	19,144	,5587	+ ,3093	,2823	,4692	33	+,018	— ,09
859	4	+60 9 43,19	19,154	,6730	— ,9185	,2823	,4692	39	—,035	— ,11
860	4	+14 37 44,15	19,123	,6946	— ,3816	,2815	,4765	43	,000	— ,14
861	4	— 5 24 2,01	19,109	+9,6064	+8,9542	—1,2812	+9,4797	46	+,012	— ,15
862	4	—11 46 56,62	19,102	,5599	9,2898	,2811	,4813	47	+,007	— ,04
863	4	—10 17 2,72	19,087	,5717	9,2311	,2807	,4845	49	+,011	— ,10
864	4	—11 37 8,05	19,084	,5599	9,2833	,2807	,4853	50	+,006	— ,06
865	4	— 9 8 17,32	19,039	,5786	9,1799	,2796	,4950	58	—,006	+ ,06
866	4	—18 37 33,81	19,038	+9,4928	+9,4825	—1,2796	+9,4954	59	,000	+ ,04
867	4	—10 53 4,85	19,031	,5647	+9,2542	,2795	,4965	60	+,012	— ,11
868	2	+18 37 40,09	19,008	,7093	—9,4811	,2789	,5015	63	+,026	+ ,04
869	4	—17 10 7,06	19,002	,5065	+9,4473	,2788	,5026	64	—,004	— ,11
870	4	— 5 20 10,88	19,002	,6042	+8,9464	,2788	,5026	67	+,005	— ,32
871	3	+55 46 49,21	18,909	+9,7143	—9,8921	—1,2767	+9,5206	79	+,050	— ,04
872	4	— 5 4 35,93	18,876	,6053	+8,9228	,2759	,5267	81	+,005	— ,12
873	3	—21 32 41,40	18,849	,4456	+9,5387	,2753	,5316	86	+,012	— ,01
874	4	—24 21 35,38	18,844	,4065	+9,5890	,2752	,5323	87	+,018	— ,02
875	3	+ 0 1 47,22	18,833	,6375	—6,4367	,2749	,5344	89	+,018	— ,52
876	4	— 8 53 28,87	18,833	+9,5752	+9,1633	—1,2749	+9,5344	88	+,019	— ,01
877	4	+16 33 38,08	18,817	,7109	—9,4268	,2745	,5372	92	+,010	— ,02
878	4	—19 27 44,01	18,794	,4669	+9,4952	,2740	,5409	97	—,010	— ,05
879	4	+73 14 41,12	18,772	,6628	—9,9526	,2735	,5447	109	+,004	— ,02
880	5	— 8 50 31,29	18,760	,5740	+9,1592	,2732	,5467	103	+,007	+ ,06
881	3	— 1 25 33,10	18,760	+9,6284	+8,3745	—1,2732	+9,5467	104		— ,11
882	4	— 1 24 50,70	18,745	,6284	+8,3691	,2729	,5490	108	+,013	— ,10
883	4	+60 46 42,95	18,745	,7168	—9,9117	,2729	,5490	113	—,008	+ ,03
884	4	—25 16 4,91	18,743	,3830	+9,6014	,2728	,5494	107	+,009	— ,11
885	4	+ 9 49 19,53	18,712	,6893	—9,2001	,2721	,5543	116	+,009	— ,09
886	4	+79 29 28,79	18,660	+9,6415	—9,9615	—1,2709	+9,5625	133	—,027	,00
887	3	— 4 5 19,18	18,612	,6085	+9,8239	,2698	,5695	129	+,024	+ ,06
888	5	— 8 56 30,72	18,601	,5694	+9,1603	,2695	,5711	132	+,016	+ ,13
889	4	—15 36 24,80	18,565	,5011	+9,3973	,2688	,5758	139	+,004	— ,16
890	4	— 5 48 52,72	18,540	,5944	+8,9732	,2681	,5795	144	+,018	— ,13
891	4	— 0 44 11,48	18,526	+9,6325	+8,0923	—1,2678	+9,5816	147	+,012	— ,28
892	5	— 2 52 1,10	18,511	,6180	+8,6695	,2674	,5837	148	+,006	+ ,12
893	3	+ 2 5 33,35	18,504	,6513	—8,5223	,2673	,5847	149	+,006	+ ,02
894	4	+ 6 24 2,60	18,486	,6758	—9,0109	,2668	,5871	153	+,020	+ ,01
895	4	+20 50 46,14	18,414	,7372	—9,5142	,2651	,5966	161	+,005	+ ,05
896	4	—10 28 19,01	18,365	+9,5490	+9,2219	—1,2640	+9,6027	166	+,001	— ,13
897	2	+29 1 59,20	18,341	,7597	—9,6473	,2635	,6053	172	+,010	— ,12
898	4	— 3 26 37,87	18,339	,6117	+8,7429	,2636	,6059	171	+,003	— ,02
899	4	+ 8 7 45,59	18,337	,6875	—9,1111	,2633	,6062	173	+,026	,00
900	4	+65 39 7,64	18,292	,7419	—9,9198	,2622	,6116	184	,000	— ,26

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
901	Virginis	9	4	13 36 42,27	+3,092	—8,7843	—8,4373	+0,4902	+7,4240
902	———	7	4	36 53,89	3,180	,7926	,4469	,5024	+8,0954
903	———	7	4	38 51,92	3,126	,7843	,4483	,4950	+7,7963
904	———	8	3	38 52,29	3,084	,7822	,4462	,4891	+7,2371
905	Solitarii	7.8	4	41 57,28	3,280	,8068	,4859	,5159	+8,3446
906	k^3 Centauri	7	4	42 23,90	3,432	—8,8514	—8,5328	+0,5355	+8,5780
907	Bootis	7.8	4	42 36,28	2,834	,8117	,4940	,4524	—8,3862
908	———	7.8	3	42 39,26	2,833	,8116	,4944	,4522	—8,3865
909	Virginis	7	4	43 50,69	2,936	,7883	,4768	,4678	—8,1310
910	Bootis	8	4	43 58,98	2,913	,7921	,4812	,4643	—8,1998
911	Bootis	7.8	2	45 15,18	2,925	—8,7884	—8,4836	+0,4661	—8,1577
912	Virginis	8.9	2	46 13,49	2,980	8,7799	8,4796	,4742	—7,9411
913	———	8	5	46 40,25	2,978	8,7796	8,4814	,4739	—7,9467
914	———	8	3	46 59,56	3,025	8,7756	8,4791	,4807	—7,6246
915	Camelop.	7	4	47 23,09	—2,258	9,7242	9,4269	— ,3537	—9,7214
916	Virginis	8	4	47 57,91	+3,167	—8,7793	—8,4871	+0,5006	+7,9855
917	———	8	2	49 6,73	+3,118	,7740	,4871	,4939	+7,6875
918	———	7	3	49 40,05	3,190	,7805	,4960	,5038	+8,0713
919	Bootis	7	3	49 59,20	2,879	,7911	,5082	,4592	—8,2566
920	———	7.8	4	50 55,84	2,897	,7865	,5079	,4619	—8,2088
921	Bootis	9	4	51 7,30	2,885	—8,7885	—8,5108	+0,4601	—8,2375
922	Virginis	9	1	52 13,42	3,149	8,7730	,5005	,4982	+7,8770
923	———	8	3	53 34,68	3,194	8,7765	,5102	,5043	+8,0666
924	Draconis	8	3	54 35,53	1,683	9,1439	,8817	,2261	—9,1017
925	Virginis	9	4	56 31,48	3,162	8,7695	,5164	,5000	+7,9272
926	Hydræ	8	4	57 0,53	3,384	—8,8101	—8,5591	+0,5294	+8,4488
927	Virginis	7.8	3	58 18,78	3,250	,7790	,5337	,5119	+8,2036
928	Solitarii	10	3	58 57,29	3,296	,7865	,5442	,5180	+8,2977
929	Hydræ	9	3	59 13,35	3,391	,8079	,5667	,5303	+8,4477
930	Virginis	8	3	59 36,69	3,207	,7709	,5315	,5061	+8,0810
931	Virginis	7.8	4	14 1 11,06	3,026	—8,7608	—8,5281	+0,4809	—7,5547
932	———	8	3	1 25,43	2,937	,7677	,5362	,4679	—8,0490
933	———	8.9	2	2 35,11	3,185	,7647	,5380	,5031	+7,9920
934	———	8.9	1	2 43,23	3,006	,7599	,5341	,4780	—7,7144
935	———	8	1	4 2,69	3,095	,7571	,5367	,4907	+7,3445
936	Bootis	7.8	3	4 40,28	2,961	—8,7611	—8,5436	+0,4714	—7,9441
937	———	8	2	6 2,07	2,962	,7594	,5476	,4716	—7,9358
938	κ^1 ———	8.9	3	7 35,09	2,146	,9686	,7630	,3316	—8,8683
939	———	9	4	9 38,56	2,914	,7509	,5633	,4645	—8,0807
940	Virginis	7.8	3	10 14,63	3,013	,7507	,5566	,4790	—7,6373
941	Solitarii	7.8	4	10 22,77	3,299	—8,7705	—8,5772	+0,5184	+8,2554
942	Virginis	8	3	11 27,82	2,984	,7509	,5618	,4748	—7,8135
943	Hydræ	9	2	13 58,32	3,445	,7952	,6166	,5372	+8,4532
944	———	8	4	14 30,35	3,446	,7942	,6180	,5373	+8,4513
945	Virginis	7.8	3	16 7,87	3,089	,7422	,5726	,4898	+7,1927

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s	″
901	4	— 2 29 16,29	—18,279	+9,6180	+8,5997	—1,2620	+9,6130	182	,000	+0,06
902	4	—11 33 32,96	18,277	,5340	9,2625	,2619	,6141	183	+,013	+ ,02
903	4	— 5 52 56,36	18,200	,5899	8,9700	,2601	,6221	192	+,007	— ,06
904	4	— 1 37 12,79	18,200	,6253	8,4130	,2601	,6221	193	+,011	+ ,01
905	4	—20 10 7,06	18,086	,4133	9,4932	,2573	,6345	212	+,015	— ,14
906	5	—32 10 39,21	18,067	+9,1367	+9,6816	—1,2569	+9,6364	217	—,009	— ,02
907	3	+22 4 19,57	18,061	,7520	—9,5293	,2567	,6371	219	+,011	+ ,07
908	5	+22 5 35,74	18,058	,7520	—9,5295	,2567	,6374	220	+,004	+ ,08
909	4	+12 45 0,45	18,054	,7168	—9,2962	,2556	,6421	223	+,003	— ,05
910	4	+14 50 28,30	18,008	,7259	—9,3612	,2554	,6426	224	+,014	— ,26
911	3	+13 33 17,40	17,941	+9,7210	—9,3215	—1,2543	+9,6475	232	—,017	— ,03
912	5	+ 8 21 13,48	17,922	,6937	9,1126	,2534	,6510	236	+,009	— ,07
913	4	+ 8 29 4,85	17,904	,6946	9,1181	,2529	,6528	239	+,005	— ,01
914	5	+ 4 4 54,65	17,890	,6665	8,7996	,2526	,6541	241	+,008	— ,08
915	2	+83 34 27,99	17,895	,6955	9,9480	,2527	,6535	263	—,069	— ,08
916	3	— 9 13 34,56	17,853	+9,5502	+9,1559	—1,2517	+9,6575	245	—,014	— ,04
917	4	— 4 40 42,02	17,808	,5966	+8,8621	,2506	,6617	252	+,010	— ,07
918	4	—11 14 58,99	17,787	,5263	+9,2390	,2501	,6638	256	+,030	— ,19
919	4	+17 0 29,83	17,772	,7404	—9,4133	,2498	,6649	259	+,010	+ ,08
920	3	+15 21 43,44	17,735	,7332	—9,3692	,2488	,6683	265	+,013	— ,09
921	2	+16 21 4,23	17,727	+9,7380	—9,3957	—1,2486	+9,6690	268	+,017	+ ,07
922	4	— 7 16 23,52	17,681	,5694	+9,0495	,2475	,6730	271	+,020	— ,06
923	4	—11 14 29,00	17,625	,5224	+9,2343	,2461	,6779	278	+,039	— ,05
924	3	+65 10 56,45	17,587	,7910	—9,9011	,2452	,6810	285	+,019	+ ,14
925	4	— 8 15 28,67	17,502	,5563	+9,0987	,2431	,6880	291	+,011	,00
926	4	—25 47 25,64	17,479	+9,2504	+9,5793	—1,2425	+9,6896	294	+,015	— ,10
927	4	—15 24 20,43	17,424	,4579	9,3638	,2412	,6939	300	+,001	— ,18
928	4	—18 56 14,16	17,396	,3997	9,4496	,2404	,6961	304	+,029	— ,06
929	3	—25 52 7,51	17,384	,2405	9,5779	,2401	,6970	305	+,001	— ,12
930	3	—11 46 56,40	17,367	,5092	9,2478	,2397	,6983	307	+,044	— ,09
931	4	+ 3 34 40,40	17,299	+9,6665	—8,7299	—1,2380	+9,7033	313	+,009	— ,03
932	3	+11 1 50,70	17,287	,7185	—9,2170	,2377	,7042	314	+,012	— ,21
933	2	— 9 42 7,28	17,237	,5340	+9,1618	,2365	,7078	5	+,007	— ,06
934	2	+ 5 10 49,55	17,228	,6794	—8,8888	,2362	,7084	7	+,005	— ,10
935	1	— 2 11 46,70	17,171	,6170	+8,5203	,2348	,7125	13	+,017	— ,12
936	2	+ 8 46 58,14	17,141	+9,7059	—9,1151	—1,2340	+9,7146	18	+,006	— ,07
937	4	+ 8 39 4,17	17,080	,7059	9,1069	,2325	,7187	21	—,005	— ,10
938	2	+52 33 29,06	17,013	,8344	9,8285	,2308	,7232	30	+,027	— ,03
939	4	+12 5 54,54	16,914	,7292	9,2471	,2282	,7296	35	+,012	— ,02
940	4	+ 4 26 11,02	16,885	,6758	8,8121	,2275	,7314	39	+,015	— ,14
941	3	—17 45 45,17	16,876	+9,3944	+9,4102	—1,2273	+9,7320	38	+,002	+ ,01
942	4	+ 6 39 21,76	16,829	,6937	—8,9867	,2260	,7349	47	+,006	,00
943	3	—27 3 32,73	16,706	,1303	+9,5790	,2229	,7423	61	+,002	— ,25
944	3	—26 59 46,02	16,678	,1335	+9,5772	,2221	,7440	63	—,014	— ,08
945	4	— 1 35 43,85	16,604	,6212	+8,3686	,2201	,7485	74	+,001	— ,06

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s				
946	Bootis	8	4	14 16 27,70	+2,026	—8,9753	—8,8067	+0,3066	—8,8847
947	Hydræ	8	2	17 11,47	3,438	,7874	,6221	,5363	+8,4311
948	Virginis	10	2	18 12,77	3,027	,7394	,5781	,4874	+6,5253
949	———	7	4	20 18,77	2,982	,7394	,5865	,4745	—7,7877
950	Bootis	7.8	4	22 5,33	2,944	,7397	,5940	,4689	—7,9411
951	Virginis	8	3	22 12,10	3,101	—8,7344	—8,5893	+0,4915	+7,3534
952	Centauri	8	3	24 28,92	3,878	,8872	,7511	,5886	+8,7423
953	Virginis	8	2	24 42,09	3,153	,7332	,5979	,4987	+7,7678
954	———	8	4	25 2,10	3,153	,7327	,5987	,4987	+7,7626
955	———	8	2	27 22,39	3,010	,7281	,6033	,4786	—7,5893
956	Virginis	7	3	27 32,81	3,194	—8,7319	—8,6080	+0,5043	+7,9222
957	———	9	2	27 38,78	3,111	,7272	,6035	,4929	+7,4579
958	Solitarii	8	1	28 39,02	3,403	,7593	,6399	,5319	+8,3419
959	Virginis	8	3	30 23,43	3,140	,7242	,6115	,4969	+7,6717
960	———	9.10	2	30 24,97	3,225	,7304	,6177	,5085	+8,0071
961	Virginis	8	4	32 21,27	3,151	—8,7218	—8,6167	+0,4984	+7,7239
962	Libræ	7	2	33 12,67	3,237	,7273	,6253	,5101	+8,0272
963	———	8	2	33 28,51	3,236	,7267	,6260	,5100	+8,0251
964	———	8	3	33 42,81	3,445	,7582	,6586	,5372	+8,3747
965	Virginis	8	4	35 45,13	3,149	,7167	,6248	,4982	+7,7150
966	Bootis	7	3	38 22,68	2,827	—8,7272	—8,6454	+0,4513	—8,1627
967	Libræ	8	3	39 52,36	3,258	,7184	,6424	,5129	+8,0520
968	Lupi	8	2	42 51,11	3,634	,7795	,7150	,5604	+8,5152
969	Libræ	8	4	43 33,27	3,315	,7187	,6568	,5205	+8,1519
970	———	8	3	45 22,67	3,065	,6990	,6443	,4864	—6,3089
971	Solitarii	9	3	45 53,12	3,480	—8,7408	—8,6879	+0,5416	+8,3659
972	Libræ	8	2	48 55,85	3,338	,7117	,6705	,5235	+8,1702
973	Virginis	7	4	50 20,65	3,137	,6918	,6559	,4965	+7,5701
974	Bootis	8	4	50 32,97	2,906	,6971	,6619	,4633	—7,9432
975	Libræ	7	4	53 54,36	3,349	,7034	,6813	,5249	+8,1691
976	Libræ	8	4	54 24,86	3,331	—8,7004	—8,6800	+0,5226	+8,1394
977	———	8	2	54 53,65	3,180	,6857	,6670	,5024	+7,7675
978	———	8.9	2	55 39,94	3,306	,6949	,6792	,5193	+8,0901
979	Serpentis	8	3	55 58,95	3,072	,6805	,6661	,4874	+6,3483
980	Bootis	8	4	56 42,51	2,600	,7281	,7162	,4150	—8,3801
981	Serpentis	7	3	58 13,25	3,068	—8,6773	—8,6712	+0,4868	—7,4792
982	Libræ	7.8	4	58 22,11	3,205	8,6806	8,6753	0,5058	+7,8400
983	———	8	4	59 11,45	3,258	8,6832	8,6809	0,5129	+7,9797
984	Ursæ Min.	8	3	59 14,39	0,295	9,1673	9,1645	9,4698	—9,1436
985	Serpentis	8.9	4	59 37,44	3,059	8,6738	8,6730	0,4856	—6,6690
986	Libræ	9	4	15 1 38,01	3,442	—8,7010	—8,7081	+0,5367	+8,2645
987	———	7.8	4	2 14,01	3,279	,6790	,6883	,5157	+8,0126
988	Serpentis	7	4	3 15,50	3,011	,6675	,6806	,4787	—7,4448
989	Scorpii	7.8	2	3 54,64	3,510	,7071	,7227	,5453	+8,3281
990	Draconis	8	3	4 5,05	1,512	,9443	,9602	,1795	—8,8740

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
946	4	+54 16 11,78	—16,587	+9,8513	—9,8272	—1,2198	+9,7492	79	+,018	—0,10
947	4	—26 6 13,34	16,544	,1492	+9,5604	,2168	,7515	78	+,009	+ ,90
948	4	— 0 20 35,75	16,498	,6345	+7,7014	,2174	,7542	81	+,033	— ,16
949	4	+ 6 25 12,65	16,395	,6964	—8,9610	,2147	,7598	93	+,006	+ ,02
950	4	+ 9 5 16,02	16,304	,7168	—9,1086	,2123	,7647	99	+,016	— ,04
951	4	— 2 22 27,68	16,297	+9,6117	+8,5291	—1,2121	+9,7650	100	+,012	+ ,08
952	4	—45 44 10,94	16,181	— ,0792	+9,7621	,2090	,7709	106	+,006	+ ,02
953	4	— 6 12 32,27	16,171	+ ,5670	+8,9413	,2087	,7709	108	+,012	— ,12
954	4	— 6 8 39,31	16,153	+ ,5659	+8,9362	,2083	,7723	111	+,010	— ,13
955	4	+ 4 11 19,50	16,032	,6776	—8,7644	,2050	,7783	120	+,020	— ,13
956	4	— 8 53 26,38	16,021	+9,5276	+9,0930	—1,2047	+9,7788	121	+,004	— ,04
957	4	— 3 3 35,46	16,017	,6031	+8,6333	,2046	,7790	122	+,006	+ ,07
958	4	—22 26 50,27	15,962	,2279	+9,4836	,2031	,7816	129	—,050	+ ,02
959	5	— 5 4 25,72	15,869	,5775	+8,8460	,2006	,7859	139	+,014	— ,16
960	4	—10 52 50,33	15,869	,4928	+9,1753	,2006	,7859	138	+,029	— ,08
961	4	— 5 45 2,02	15,766	+9,5682	+8,8978	—1,1977	+9,7906	144	+,009	— ,08
962	4	—11 31 43,93	15,722	,4786	+9,1954	,1965	,7925	146	+,029	— ,03
963	4	—11 26 53,08	15,704	,4800	+9,1925	,1960	,7933	151	—,005	— ,04
964	3	—24 24 18,40	15,690	,1399	+9,5100	,1956	,7940	153	+,003	— ,07
965	4	— 5 41 21,51	15,580	,5670	+8,8889	,1926	,7987	162	+,020	— ,02
966	4	+15 49 29,94	15,437	+9,7716	—9,3220	—1,1885	+ 9,8047	178	+,018	— ,03
967	3	—12 25 47,93	15,350	9,4564	+9,2178	,1861	,8082	181	+,002	— ,02
968	4	—32 56 50,24	15,180	7,9031	+9,6150	,1813	,8149	192	,000	— ,02
969	3	—15 43 10,02	15,142	9,3801	+9,3114	,1802	,8164	195	+,005	— ,09
970	3	+ 0 14 54,15	15,034	9,6395	—7,4850	,1771	,8204	205	+,001	— ,18
971	4	—24 56 38,94	15,007	+9,0569	+9,4995	—1,1763	+9,8214	208	+,019	— ,17
972	4	—16 42 1,05	14,828	,3483	+9,3276	,1711	,8279	223	—,004	— ,07
973	4	— 4 19 24,08	14,746	,5809	+8,7450	,1687	,8308	229	—,003	— ,16
974	5	+10 9 32,83	14,737	,7380	—9,1124	,1683	,8312	230	+,003	— ,18
975	4	—16 58 50,76	14,531	,3304	+9,3258	,1623	,8381	246	+,013	— ,09
976	4	—15 56 32,60	14,503	+9,3747	+9,2985	—1,1614	+9,8390	252	+,016	— ,03
977	4	— 6 55 22,24	14,474	,5403	+8,9404	,1606	,8399	254	+,019	— ,02
978	4	—14 21 4,80	14,426	,3944	+9,2522	,1591	,8415	256	+,007	— ,07
979	4	— 0 15 41,64	14,406	,6345	+7,5244	,1585	,8422	257	,000	— ,27
980	4	+26 41 8,13	14,365	,8457	—9,5074	,1573	,8435	264	+,006	+ ,02
981	4	+ 3 38 50,26	14,272	+9,6785	—8,6544	—1,1545	+9,8464	271	+,016	— ,10
982	4	— 8 17 23,00	14,259	,5172	+9,0115	,1541	,8468	272	+,004	+ ,01
983	3	—11 24 46,25	14,210	,4563	+9,1471	,1526	,8483	276	—,001	— ,05
984	3	+71 15 30,31	14,217	,9063	—9,8271	,1528	,8481	285	,000	+ ,17
985	4	+ 0 34 41,14	14,185	,6444	—7,8451	,1518	,8491	278	+,007	— ,07
986	4	—21 26 52,09	14,057	+9,1553	+9,4093	—1,1479	+9,8530	289	,000	— ,05
987	3	—12 25 37,35	14,019	9,4314	+9,1784	,1467	,8541	1	+,013	+ ,01
988	4	+ 3 27 14,30	14,021	9,6785	—8,6201	,1448	,8559	4	+,009	— ,01
989	4	—24 41 9,25	13,912	8,9685	+9,4625	,1435	,8572	5	—,019	— ,19
990	4	+58 17 10,92	13,910	9,9248	—9,7710	,1433	,8573	12	+,009	— ,01

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
991	Scorpii	8	3	15 4 17,96	+3,492	—8,7032	—8,7203	+0,5431	+8,3088
992	2 Libræ	9.10	4	5 14,86	3,380	,6843	,7048	,5289	+8,1704
993	———	8	4	5 56,57	3,114	,6620	,6852	,4933	+7,3456
994	Serpentis	8	4	9 15,08	3,074	,6547	,6906	,4877	+6,4986
995	Lupi	*var.*	4	10 27,46	4,034	,7977	,8384	,6057	+8,6422
996	Libræ	8.9	4	11 36,19	3,251	—8,6571	—8,7019	+0,4120	+7,9157
997	———	8	4	11 49,04	3,330	,6641	,7096	,5224	+8,0714
998	———	8	4	12 26,93	3,173	,6506	,6984	,5015	+7,6722
999	Cor. Bor.	8.9	2	12 47,20	2,489	,7106	,7597	,3960	—8,4115
1000	Libræ	8	3	12 51,81	3,177	,6499	,6993	,5020	+7,6856
1001	Cor. Bor.	8.9	2	13 32,82	2,484	—8,7097	—8,7617	+0,3951	—8,4128
1002	Libræ	8	3	13 42,86	3,246	,6522	,7049	,5113	+7,8947
1003	Serpentis	8	3	15 57,03	3,068	,6406	,7019	,4869	—5,4053
1004	———	8	4	16 3,34	2,899	,6464	,7080	,4622	—7,8632
1005	Libræ	9.10	3	16 11,26	3,224	,6451	,7075	,5084	+7,8298
1006	Serpentis	8	3	16 21,65	2,896	—8,6459	—8,7088	+0,4618	—7,8710
1007	Draconis	8	2	16 31,98	1,651	,8756	,9387	,2193	—8,7863
1008	Libræ	8	4	16 37,22	3,453	,6683	,7324	,5382	+8,2190
1009	Bootis	8	2	18 18,89	2,275	,7384	,8087	,3570	—8,5269
1010	Libræ	8.9	3	18 28,34	3,162	,6368	,7079	,4999	+7,5982
1011	Libræ	7.8	4	18 49,41	3,452	—8,6631	—8,7354	+0,5381	+8,2104
1012	———	8	3	19 16,13	3,264	,6410	,7152	,5137	+7,9171
1013	———	*var.*	4	19 42,40	3,165	,6342	,7099	,5004	+7,6119
1014	Cor. Bor.	6.7	2	19 52,30	2,352	,7181	,7943	,3714	—8,4756
1015	Serpentis	8.9	2	21 19,36	3,027	,6290	,7108	,4810	—7,2356
1016	Libræ	8.9	5	21 41,65	3,409	—8,6501	—8,7337	+0,5326	+8,1466
1017	———	8	1	21 53,25	3,350	,6429	,7270	,5250	+8,0643
1018	Scorpii	8	3	22 12,79	3,609	,6789	,7646	,5574	+8,3450
1019	Libræ	8	4	23 10,90	3,422	,6481	,7374	,5343	+8,1574
1020	———	8	3	24 15,14	3,243	,6279	,7211	,5109	+7,8485
1021	Serpentis	7.8	3	25 5,31	2,998	—8,6208	—8,7173	+0,4768	—7,4497
1022	Libræ	8.9	3	29 5,16	3,323	,6224	,7346	,5215	+7,9927
1023	Lupi			29	4,094	,7524	,8669	,6121	+8,5948
1024	Serpentis	7.8	4	30 3,07	2,742	,6274	,7432	,4381	—8,0950
1025	Libræ	7.8	3	30 41,70	3,324	,6184	,7369	,5215	+7,9877
1026	Libræ	8	3	32 9,02	3,324	—8,6146	—8,7388	+0,5215	+7,9812
1027	Scorpii	7.8	3	33 23,67	3,566	,6417	8,7709	0,5522	+8,2660
1028	Serpentis	8	5	35 31,09	3,013	,5944	8,7321	0,4790	—7,3059
1029	Draconis	8	4	36 49,92	0,597	,9870	9,1292	9,7760	—8,9488
1030	29 Serpentis	7.8	4	38 51,45	2,754	,6024	8,7532	0,4399	—8,0436
1031	31 υ Serpentis	7	4	39 40,54	2,782	—8,5974	—8,7513	+0,4444	—7,9998
1032	ξ ² Lupi	6.7		46	3,807	,6425	,8247	,5806	+8,3842
1033	Serpentis	*var.*	2	46 54,69	2,890	,5682	,7518	,4609	—7,7657
1034	———	8	5	49 50,06	2,710	,5749	,7707	,4330	—8,0555
1035	Lupi	8	3	53 31,63	3,865	,6292	,8411	,5871	+8,3878

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A.R.	Decn.
		° ′ ″	″						s.	″
991	4	—23 45 24,70	—13,890	+9,0253	+9,4463	—1,1427	+9,8579	8	+,007	+0,01
992	1	—17 49 10,56	13,834	+9,2810	+9,3251	,1410	,8595	15	+,005	— ,10
993	4	— 2 44 49,85	13,788	+9,6010	+8,5212	,1395	,8608	17	+,009	— ,04
994	4	— 0 22 45,78	13,575	+9,6325	+7,6747	,1327	,8667	28	+,010	— ,13
995	4	—44 20 14,88	13,493	—9,3139	+9,7727	,1301	,8689	30	—,012	— ,06
996	4	—10 26 3,79	13,424	+9,4654	+9,0845	—1,1279	+9,8707	38	+,016	— ,17
997	4	—14 46 32,71	13,422	9,3617	+9,2328	,1275	,8711	40	+,001	— ,17
998	5	— 6 0 59,15	13,373	9,5478	+8,8459	,1262	,8721	43	+,009	— ,05
999	4	+30 9 55,75	13,350	9,8751	—9,5245	,1255	,8727	46	—,006	— ,15
1000	4	— 6 13 46,43	13,347	9,5453	+8,8591	,1254	,8728	45	+,017	— ,06
1001	4	+30 20 18,76	13,303	+9,8768	—9,5251	—1,1239	+9,8739	51	+,003	— ,13
1002	3	—10 3 36,68	13,290	9,4713	+9,0641	,1235	,8742	48	+,002	— ,32
1003	3	+ 0 2 26,75	13,141	9,6375	—6,5814	,1186	,8780	60	+,020	— ,20
1004	4	+ 9 29 29,16	13,136	9,7419	—9,0333	,1185	,8781	62	+,006	— ,11
1005	4	— 8 47 26,90	13,123	9,4955	+9,0007	,1180	,8784	61	+,011	— ,08
1006	4	+ 9 40 28,71	13,114	+9,7443	—9,0409	—1,1177	+9,8786	66	+,011	— ,16
1007	3	+54 31 2,10	13,110	9,9385	—9,7263	,1176	,8788	68	+,028	— ,11
1008	3	—20 47 52,83	13,092	9,1367	+9,3657	,1170	,8792	65	+,012	— ,04
1009	2	+37 55 32,23	12,986	9,9085	—9,6000	,1135	,8818	74	—,008	+ ,01
1010	3	— 5 14 22,18	12,973	9,5575	+8,7725	,1130	,8821	70	+,005	— ,18
1011	4	—20 37 59,37	12,950	+9,1367	+9,3577	—1,1123	+9,8826	71	—,027	— ,01
1012	4	—10 52 24,13	12,919	9,4487	+9,0853	,1112	,8834	77	+,009	— ,08
1013	4	— 5 25 44,66	12,922	9,5563	+8,7860	,1103	,8840	79	+,008	— ,11
1014	4	+34 54 34,75	12,885	9,8998	—9,5656	,1100	,8842	81	+,014	— ,14
1015	4	+ 2 19 39,54	12,785	9,6674	—8,4113	,1067	,8866	85	+,033	— ,10
1016	4	—18 16 2,13	12,754	+9,2304	+9,3002	—1,1056	+9,8873	87	—,017	+ ,01
1017	4	—15 16 45,43	12,744	9,3324	+9,2247	,1053	,8875	88	+,007	— ,13
1018	4	—27 46 1,52	12,717	8,4314	+9,4685	,1044	,8881	90	+,017	— ,06
1019	4	—18 50 20,13	12,654	9,2041	+9,3096	,1022	,8896	94	+,017	— ,01
1020	4	— 9 33 1,32	12,587	9,4742	+9,0185	,0999	,8911	101	+,015	— ,14
1021	4	+ 3 52 56,77	12,527	+9,6866	—8,6248	—1,0979	+9,8924	107	+,013	— ,10
1022	1	—13 33 17,40	12,253	+9,3729	+9,1565	,0882	,8984	127	+,010	+ ,05
1023		—44 4	12,211	—9,3802	+9,6272	,0867	,8993	129		
1024	5	+17 4 33,86	12,188	+9,8116	—9,2515	,0859	,8997	137	+,005	,00
1025	5	—13 30 49,22	12,141	+9,3711	+9,1515	,0843	,9007	139	,000	+ ,02
1026	4	—13 26 4,22	12,039	+9,3729	+9,1452	—1,0806	+9,9028	144	+,015	+ ,02
1027	3	—24 53 10,35	11,950	8,7404	+9,3997	,0774	,9046	149	+,009	— ,11
1028	4	+ 2 57 54,27	11,800	9,6767	—8,4814	,0719	,9076	159	+,005	— ,12
1029	4	+66 19 33,38	11,719	9,9624	—9,7287	,0689	,9091	168	+,022	+ ,03
1030	4	+16 2 32,63	11,568	9,8082	—9,2025	,0632	,9120	171	+,011	— ,05
1031	3	+14 37 30,26	11,511	+9,7973	—9,1616	—1,0611	+9,9131	173	+,005	— ,11
1032	3	—33 28 34,12	11,009	—8,9956	+9,4815	,0417	,9220	205		+ ,01
1033	4	+ 9 4 18,86	10,985	+9,7490	—8,9363	,0408	,9224	209	+,023	+ ,02
1034	4	+17 39 43,95	10,769	+9,8254	—9,2107	,0322	,9260	223	+,001	
1035	4	—34 59 14,18	10,487	—9,1271	+9,4773	,0207	,6305	236	,000	— ,22

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1036	Libræ	8	4	15 53 51,21	+3,229	—8,5463	—8,7590	+0,5091	+7,6925
1037	———	8	3	54 26,06	3,229	,5444	,7596	,5091	+7,6898
1038	Scorpii	8.9	3	55 20,47	3,494	,5655	,7847	,5433	+8,1088
1039	———	8	4	55 36,74	3,442	,5584	,7788	,5368	+8,0507
1040	Draconis	8	4	56 25,10	1,433	,7755	,9987	,1562	—8,6888
1041	Scorpii	8	4	56 55,02	3,660	—8,5834	—8,8095	+0,5635	+8,2446
1042	1 Lupi	7.8	5	57 36,67	3,989	,6373	,8665	,6009	+8,4330
1043	Herculis	8	1	58 18,72	2,949	,5301	,7620	,4697	—7,5384
1044	Scorpii	8	4	59 33,67	3,457	,5467	,7844	,5387	+8,0497
1045	———	8.9	3	59 50,14	3,468	,5471	,7859	,5401	+8,0604
1046	Serpentis	8	4	16 0 36,07	2,949	—8,5227	—8,7645	+0,4697	—7,5298
1047	κ 2 Herculis	8	3	0 40,96	2,702	,5408	,7828	,4317	—8,0185
1048	Scorpii	9	4	2 44,52	3,681	,5658	,8176	,5660	+8,2334
1049	———	8	3	3 12,55	3,472	,5358	,7897	,5406	+8,0503
1050	Serpentis	8.9	4	3 49,22	2,680	,5321	,7884	,4281	—8,0302
1051	Ophiuchi	8	2	5 10,62	3,541	—8,5374	—8,7999	+0,5491	+8,1103
1052	Herculis	8	4	5 16,21	2,935	,5072	,7700	,4676	—7,5577
1053	———	7	4	6 10,21	2,938	,5040	,7708	,4680	—7,5455
1054	Scorpii	8	4	9 10,29	3,766	,5552	,8360	,5759	+8,2609
1055	Regulæ	7	1	9 28,50	4,029	,5990	,8813	,6052	+8,3982
1056	Herculis	8	4	9 41,16	2,654	—8,5138	—8,7967	+0,4239	—8,0319
1057	Scorpii *seq.*	8	2	10 30,74	3,492	,5117	,7987	,5431	+8,0388
1058	——— *præc*	8	1	10 55,11	3,494	,5104	,7992	,5433	+8,0385
1059	——— *seq.*	8.9	1	10 55,69	3,494	,5104	,7992	,5433	+8,0385
1060	Herculis	8.9	3	11 19,82	2,704	,5024	,7927	,4320	—7,9687
1061	Herculis	7.8	3	11 22,08	2,944	—8,4850	—8,7757	+0,4689	—7,4994
1062	———	8.9	4	12 44,97	2,807	,4876	,7848	,4482	—7,8172
1063	Regulæ	7	4	12 56,22	4,029	,5848	,8833	,6052	+8,3820
1064	Serpentis	8	4	14 1,83	3,000	,4734	,7766	,4771	—7,2291
1065	———	8	4	14 7,32	2,996	,4730	,7768	,4765	—7,2545
1066	Herculis	8	3	14 19,12	2,773	—8,4844	—8,7889	+0,4429	—7,8630
1067	Scorpii	8.9	3	15 24,28	3,735	,5253	,8355	,5721	+8,2111
1068	———	8	4	15 35,04	3,580	,5028	,8136	,5539	+8,0961
1069	———	9	4	15 48,41	3,659	,5128	,8246	,5634	+8,1578
1070	Ophiuchi	8		16	3,274	,4686	,7846	,5151	+7,6959
1071	Serpentis	7.8	4	19 19,15	3,000	—8,4524	—8,7815	+0,4771	—7,2037
1072	Scorpii	8.9	4	20 2,53	3,627	,4908	,8234	,5595	+8,1135
1073	Regulæ	8.9	4	23 4,91	3,928	,5237	,8718	,5942	+8,2845
1074	Ophiuchi	9	4	24 35,42	3,016	,4302	,7857	,4794	—7,0581
1075	Herculis	8.9	4	27 49,34	2,569	,4488	,8210	,4098	—8,0236
1076	Ophiuchi	8	1	28 3,26	3,197	—8,4169	—8,7905	+0,5047	+7,4338
1077	Herculis	8	4	28 48,71	2,673	,4324	,8100	,4270	—7,9177
1078	Ophiuchi	8.9	3	30 45,54	3,224	,4059	,7937	,5084	+7,5039
1079	Herculis	8	3	31 10,01	2,427	,4521	,8421	,3851	—8,1146
1080	———	8.9	4	31 44,24	2,774	,4100	,8029	,4431	—7,7734

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A.R.	Decn.
		° ′ ″	″						s	″
1036	5	— 8 1 49,29	—10,472	+9,4928	+8,8643	—1,0200	+9,9308	240	+,006	— ,01
1037	2	— 8 1 2,00	10,427	+9,4928	+8,8616	,0182	,9315	243	+,011	,00
1038	4	—20 26 36,12	10,357	+9,0334	+9,2566	,0153	,9325	244	+,011	— ,21
1039	4	—18 4 53,22	10,337	+9,1673	+9,2048	,0144	,9328	249	+,001	+ ,01
1040	4	+54 58 55,53	10,288	+9,9782	—9,6236	,0123	,9356	262	+,002	— ,12
1041	1	—27 16 4,24	10,237	—7,9031	+9,3695	—1,0102	+9,9343	257	+,004	— ,02
1042	2	—38 39 23,51	10,182	—9,2988	+9,5016	,0079	,9352	260	+,011	+ ,09
1043	3	+ 5 51 37,02	10,137	+9,7152	—8,7122	,0059	,9358	269	+,008	— ,07
1044	4	—18 33 6,01	10,036	+9,1303	+9,2026	,0016	,9373	273	+,009	+ ,02
1045	3	—19 0 51,87	10,017	+9,1072	+9,2121	,0007	,9376	275	+,015	+ ,16
1046	4	+ 5 50 46,53	9,966	+9,7160	—8,7036	—0,9985	+9,9383	281	+,017	— ,06
1047	3	+17 29 53,33	9,961	+9,8280	—9,1741	,9983	,9384	285	+,001	— ,03
1048	4	—27 42 9,40	9,794	—8,3424	+9,3565	,9909	,9408	5	+,005	+ ,03
1049	3	—19 4 18,61	9,758	+9,0934	+9,2018	,9893	,9412	7	+,004	— ,01
1050	5	+18 21 28,23	9,717	+9,8370	—9,1836	,9875	,9418	11	—,003	+ ,05
1051	4	—21 57 27,85	9,610	+8,8692	+9,2537	—0,9827	+9,9433	17	+,001	— ,12
1052	5	+ 6 27 46,91	9,605	+9,7243	—8,7310	,9825	,9433	20	+,013	+ ,01
1053	4	+ 6 19 29,10	9,538	+9,7235	—8,7190	,9795	,9442	24	+,018	+ ,03
1054	3	—30 29 47,94	9,301	—8,8808	+9,3623	,9685	,9473	35	,000	— ,04
1055	4	—39 1 24,20	9,276	—9,3463	+9,4645	,9673	,9477	37	+,005	— ,07
1056	4	+19 15 20,32	9,265	+9,8463	—9,1830	—0,9669	+9,9478	43	+,017	— ,07
1057	4	—19 39 10,32	9,198	+9,0414	+9,1888	,9637	,9486	45	,000	— ,10
1058	4	—19 42 55,50	9,167	+9,0334	+9,1883	,9622	,9490	48	,000	— ,08
1059	3	—19 42 43,27	9,167	+9,0334	+9,1883	,9622	,9490	49	—,003	— ,11
1060	5	+17 1 16,14	9,141	+9,8299	—9,1254	,9610	,9494	53	—,007	+ ,06
1061	4	+ 5 56 31,76	9,136	+9,7193	—8,6732	—0,9607	+9,9494	52	+,012	— ,05
1062	4	+12 20 18,86	9,026	+9,7882	—8,9831	,9555	,9510	57	+,008	— ,07
1063	5	—38 48 3,00	9,006	—9,3483	+9,4497	,9545	,9510	55	+,017	— ,06
1064	4	+ 3 16 7,13	8,927	+9,6848	—8,4045	,9507	,9520	62	+,003	— ,05
1065	4	+ 3 28 38,75	8,917	+9,6875	—8,4298	,9502	,9521	63	+,017	— ,15
1066	4	+13 51 5,82	8,907	+9,8028	—9,0263	—0,9597	+9,9522	65	+,008	— ,09
1067	4	—29 0 52,38	8,813	—8,7482	+9,3289	,9451	,9533	67	+,001	+ ,04
1068	2	—23 4 25,95	8,802	+8,6628	+9,2360	,9446	,9535	68	+,004	— ,02
1069	4	—26 11 2,40	8,786	—7,9031	+9,2868	,9438	,9537	70	+,013	— ,04
1070		— 9 41	8,718	+9,4409	+8,8658	,9404	,9544	76		
1071	4	+ 3 14 42,67	8,508	+9,6848	—8,3791	—0,9298	+9,9569	85	+,008	— ,03
1072	4	—24 46 45,40	8,449	+8,1461	+9,2475	,9268	,9575	87	+,015	— ,16
1073	4	—35 11 15,49	8,206	—9,2355	+9,3730	,9141	,9602	99	—,007	+ ,01
1074	4	+ 2 26 35,23	8,088	+9,6739	—8,2338	,9079	,9614	109	+,010	— ,13
1075	4	+22 5 10,37	7,831	+9,8739	—9,1667	,9938	,9640	124	+,005	+ ,23
1076	3	— 5 57 14,05	7,810	+9,5263	+8,6075	—0,8926	+9,9642	122	—,002	— ,12
1077	4	+17 48 43,32	7,747	+9,8426	—9,0725	,8891	,9648	130	+,004	— ,08
1078	4	— 7 10 53,89	7,595	+9,4983	+8,6766	,8805	,9663	138	+,010	— ,01
1079	4	+27 22 43,24	7,562	+9,9096	—9,2391	,8786	,9666	141	+,012	— ,03
1080	3	+13 22 8,70	7,519	+9,8035	—8,9376	,8762	,9671	144	+,014	+ ,04

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s*				
1081	Serpentis	8 9	3	16 32 34,98	+3,122	—8,3944	—8,7920	+0,4944	+7,0370
1082	Herculis	7.8	4	34 20,31	2,634	,4107	,8179	,4206	—7,9284
1083	Ophiuchi	8.9	4	35 45,37	2,974	,3798	,7952	,4733	—7,2581
1084	Scorpii	8	4	36 55,62	3,892	,4510	,8733	,5902	+8,1917
1085	Nebules	7	4	37 13,77	2,132	,4682	,8916	,3288	—8,2458
1086	Scorpii			39	4,180	—8,4856	—8,9225	+0,6212	+8,3073
1087	———	9	3	41 18,67	4,182	,4754	,9235	,6214	+8,2967
1088	Herculis	7.8	2	42 22,66	2,881	,3493	,8033	,4595	—7,5164
1089	Scorpii	8	4	42 28,25	4,193	,4705	,9257	,6225	+8,2936
1090	———			42	4,187	,4675	,9249	,6219	+8,2892
1091	Draconis	9	3	42 55,40	0,974	—8,6293	—9,0862	+9,9886	—8,5621
1092	Scorpii	7.8	2	43 31,88	4,198	,4653	8,9271	0,6230	+8,2893
1093	———	7.8	3	43 45,45	3,895	,4139	8,8770	0,5905	+8,1524
1094	Draconis	7.8	3	45 4,42	1,214	,5792	9,0492	0,0842	—8,4961
1095	Scorpii	7	3	45 12,22	4,153	,4479	8,9200	0,6184	+8,2612
1096	Scorpii	7.8	2	45 15,90	3,898	—8,4057	—8,8782	+0,5908	+8,1447
1097	Serpentis	7.8	3	45 48,60	3,154	,3264	8,8019	,4989	+7,1590
1098	Ophiuchi	8	4	47 2,84	3,198	,3204	8,8039	,5049	+7,3287
1099	Draconis	8	4	47 16,96	1,497	,5194	9,0033	,1752	—8,4102
1100	Scorpii	8	1	47 47,58	4,039	,4136	8,9019	,6063	+8,1968
1101	Ophiuchi	7.8	3	49 22,35	3,400	—8,3187	—8,8174	+0,5315	+7,7207
1102	———	9	3	49 35,71	3,422	,3194	8,8194	0,5343	+7,7477
1103	———	9	3	50 42,20	3,482	,3181	8,8256	0,5418	+7,8073
1104	Draconis	8	2	50 44,56	0,273	,6793	9,1855	9,4362	—8,6382
1105	Scorpii	9	3	51 51,30	3,867	,3607	8,8762	0,5874	+8,0851
1106	Ophiuchi	7.8	3	52 4,95	2,816	—8,2965	—8,8130	+0,4496	—7,5835
1107	Herculis	9	3	53 57,73	1,633	,4533	,9821	,2130	—8,3259
1108	Scorpii	9	5	54 59,19	3,466	,2894	,8263	,5398	+7,7616
1109	Herculis	7	4	56 45,21	2,602	,2848	,8340	,4153	—7,8171
1110	Ophiuchi	8	4	57 12,03	3,346	,2648	,8174	,5245	+7,5897
1111	Ophiuchi	9	1	59 33,91	3,471	—8,2585	—8,8290	+0,5404	+7,7330
1112	Herculis	8	4	17 1 13,12	2,399	,2784	,8610	,3800	-7,9406
1113	———	9	4	1 26,47	3,713	,2731	,8579	,5697	+7,9226
1114	Ophiuchi	8	6	1 59,44	3,723	,2700	,8595	,5709	+7,9246
1115	———	9	1	2 24,30	3,722	,2670	,8596	,5708	+7,9213
1116	Ophiuchi	8	4	3 51,22	2,883	—8,2119	—8,8152	+0,4598	—7,3608
1117	Herculis	7	3	4 16,12	2,479	,2453	,8517	,3943	—7,8619
1118	———	8	4	4 29,85	2,478	,2433	,8519	,3941	—7,8602
1119	Scorpii	8	3	5 4,54	3,929	,2765	,8906	,5943	+8,0188
1120	Ophiuchi	9	3	5 5,29	3,752	,2505	,8646	,5743	+7,9190
1121	Herculis	9	4	6 46,94	2,732	—8,1981	—8,8262	+0,4365	—7,5963
1122	———	8	3	6 52,36	2,726	,1981	,8267	,4355	—7,6035
1123	39 Ophiuchi	7	4	8 1,17	3,651	,2134	,8524	,5624	+7,8244
1124	Herculis	7	2	8 52,21	2,490	,2067	,8521	,3962	—7,8146
1125	Ophiuchi	8	6	10 17,87	3,128	,1551	,8142	,4953	+6,8173

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A. R.	Decn.
		° ′ ″	″						s.	″
1081	4	— 2 30 41,61	— 7,449	+9,5944	+8,2127	—0,8721	+9,9677	148	,000	—0,35
1082	4	+19 14 26,44	7,308	+9,8555	—9,0796	,8638	,9690	160	+,021	— ,11
1083	3	+ 4 19 56,92	7,188	+9,7016	—8,4329	,8566	,9701	166	+,017	— ,09
1084	4	—33 23 33,20	7,090	—9,1847	+9,2894	,8507	,9710	167	+,012	+ ,05
1085	4	+36 49 16,87	7,074	+9,9581	—9,3253	,8496	,9711	172	+,007	— ,03
1086		—41 32	6,883	—9,4742	+9,3575	—0,8377	+9,9727	179		
1087	4	—41 29 55,99	6,729	—9,4757	+9,3472	,8279	,9740	192	—,002	— ,01
1088	4	+ 8 27 34,70	6,647	+9,7536	—8,6878	,8226	,9747	208	+,010	— ,05
1089	4	—41 42 43,12	6,630	—9,48[illegible]9	+9,3427	,8215	,9748	199	—,003	,00
1090		—41 32	6,603	—9,4786	+9,3394	,8197	,9750	204		
1091	4	+58 57 5,71	6,608	+0,0137	—9,4509	—0,8201	+9,9750	217	+,015	— ,02
1092	3	—41 48 47,29	6,542	—9,4871	+9,3377	,8157	,9755	209	—,012	— ,09
1093	4	—33 11 43,42	6,525	—9,1903	+9,2511	,8146	,9757	211	+,020	— ,03
1094	3	+55 40 38,45	6,432	+0,0116	—9,4233	,8083	,9764	229	+,027	— ,19
1095	4	—40 33 8,14	6,404	—9,4564	+9,3178	,8064	,9766	218	+,008	— ,15
1096	4	—33 14 0,18	6,399	—9,1931	+9,2431	—0,8061	+9,9767	222	+,002	+ ,11
1097	4	— 3 53 22,43	6,360	+9,5670	+8,3341	,8034	,9769	226	+,011	+ ,04
1098	4	— 5 51 7,84	6,255	+9,5250	+8,5025	,7962	,9777	235	+,019	— ,08
1099	4	+51 2 56,18	6,249	+0,0047	—9,3847	,7958	,9778	241	+,004	+ ,05
1100	4	—37 21 21,89	6,194	—9,3655	+9,2731	,7919	,9782	237	+,024	— ,05
1101	4	—14 36 33,92	6,060	+9,2528	+8,8825	—0,7825	+9,9792	244	+,001	— ,09
1102	4	—15 33 5,52	6,044	+9,2095	+8,9073	,7813	,9793	245	+,014	— ,23
1103	2	—17 57 33,14	5,949	+9,0719	+8,9617	,7745	,9800	254	+,006	+ ,01
1104	4	+65 28 19,22	5,966	+0,0204	—9,4326	,7757	,9798	264	+,032	— ,23
1105	4	—32 0 33,00	5,849	—9,1430	+9,1895	,7671	,9807	259	+,001	— ,05
1106	4	+11 10 4,50	5,838	+9,7860	—8,7513	—0,7662	+9,9807	262	+,014	+ ,02
1107	4	+48 14 54,50	5,687	+0,0017	—9,3256	,7549	,9818	275	+,005	+ ,06
1108	4	—17 14 57,56	5,592	+9,1106	+8,9177	,7476	,9824	274	+,015	— ,09
1109	4	+19 55 28,11	5,446	+9,8669	—8,9664	,7361	,9833	287	+,005	— ,15
1110	4	—12 10 58,38	5,407	+9,3444	+8,7559	,7329	,9836	288	+,005	— ,09
1111	3	—17 20 55,50	5,204	+9,1001	+8,8889	—0,7164	+9,9848	300	+,012	,00
1112	4	+27 21 23,32	5,069	+9,9185	—9,0652	,7049	,9856	312	+,016	+ ,05
1113	4	—26 29 22,80	5,047	—8,6434	+9,0506	,7030	,9858	308	+,010	— ,06
1114	8	—26 49 44,02	4,996	—8,6990	+9,0512	,6986	,9861	311	+,001	— ,09
1115	1	—26 48 41,14	4,962	—8,6990	+9,0480	,6957	,9863	1	—,007	— ,02
1116	4	+ 8 6 2,67	4,849	+9,7536	—8,5326	—0,6856	+9,9869	8	+,022	— ,07
1117	4	+24 26 35,47	4,815	+9,9009	—8,9972	,6826	,9871	11	+,026	— ,06
1118	3	+24 27 23,15	4,792	+9,9015	—8,9955	,6805	,9872	15	+,020	— ,11
1119	4	—33 32 23,80	4,736	—9,2430	+9,1159	,6754	,9875	10	+,011	+ ,07
1120	4	—27 46 16,45	4,736	—8,8388	+9,0419	,6754	,9875	12	+,012	— ,09
1121	4	+14 29 44,79	4,594	+9,8215	—8,7583	—0,6622	+9,9883	25	—,001	— ,42
1122	4	+14 44 48,46	4,588	+9,8248	—8,7651	,6616	,9883	26	+,020	— ,16
1123	2	—24 5 49,65	4,590	—7,3010	+8,9609	,6519	,9888	31	+,005	— ,05
1124	5	+23 55 52,28	4,424	+9,8987	—8,9517	,6458	,9892	37	,000	— ,01
1125	4	— 2 37 37,48	4,293	+9,5888	+7,9930	,6327	,9898	45	—,001	— ,08

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1126	Ophiuchi	7.8	4	17 10 20,14	+3,716	—8,2019	—8,8615	+0,5701	+7,8496
1127	———	8	4	10 47,47	3,126	,1510	,8143	,4950	+6,8021
1128	———	8	3	11 15,47	3,715	,1935	,8617	,5700	+7,8405
1129	Serpentis	8	4	11 46,90	3,368	,1529	,8254	,5274	+7,5023
1130	Ophiuchi	9	4	12 9,22	3,634	,1767	,8517	,5604	+7,7756
1131	Herculis	7	2	12 38,63	1,516	—8,3259	—9,0053	+0,1807	—8,2093
1132	Draconis	9	2	12 44,89	1,110	,3898	9,0699	,0453	—8,3097
1133	Ophiuchi	8	1	12 52,11	2,847	,1383	8,8208	,4544	—7,3596
1134	———	9	3	13 6,37	3,676	,1722	8,8573	,5654	+7,7971
1135	Herculis	7	2	13 28,88	2,438	,1719	8,8602	,3870	—7,8090
1136	Scorpii	8.9	3	13 36,73	3,526	—8,1499	—8,8401	+0,5473	+7,6687
1137	Ophiuchi	8	2	14 4,17	2,839	,1276	,8217	,4532	—7,3629
1138	———	8	3	14 4,76	3,642	,1587	,8534	,5613	+7,7625
1139	———	8.9	1	14 59,11	3,280	,1179	,8212	,5159	+7,3217
1140	Scorpii	8	4	15 49,88	3,749	,1557	,8677	,5739	+7,8194
1141	Ophiuchi	8	2	16 5,82	2,752	—8,1142	—8,8282	+0,4396	—7,4839
1142	———	7	2	16 7,59	2,860	,1066	8,8214	,4564	—7,3010
1143	Herculis	8.9	2	16 52,36	2.536	,1270	8,8493	,4041	—7,7018
1144	Ophiuchi	8	2	16 55,65	3,579	,1239	8,8469	,5538	+7,6835
1145	Draconis	8	3	17 1,88	1,114	,3469	9,0698	,0469	—8,2660
1146	Ophiuchi	8.9	3	18 1,91	2,699	—8,0990	—8,8332	+0,4312	—7,5313
1147	———			18	2,678	,0974	8,8351	,4278	—7,5516
1148	———	9	3	19 29,00	3,285	,0730	8,8230	,5165	+7,2845
1149	———	7.8	3	19 52,82	2,869	,0677	8,8222	,4577	—7,2417
1150	Draconis	9	2	20 4,32	1,287	,2877	9,0429	,1096	—8,1929
1151	Ophiuchi	9	2	20 7,08	2,839	—8,0665	—8,8239	+0,4532	—7,3011
1152	Serpentis	7	2	21 4,27	3,433	,0658	8,8338	,5357	+7,4927
1153	Ophiuchi	9	3	21 18,84	2,996	,0474	8,8184	,4765	—6,7851
1154	———	8	2	21 27,13	3,299	,0519	8,8244	,5184	+7,2901
1155	Draconis	8.9	2	21 34,10	1,303	,2685	9,0410	,1149	—8,1724
1156	Herculis	9	3	22 17,69	2,528	—8,0699	—8,8518	+0,4028	—7,6488
1157	Ophiuchi	8	4	22 27,95	3,130	,0344	,8186	,4955	+6,7075
1158	———	8	5	22 55,21	3,123	,0289	,8186	,4946	+6,6508
1159	———	8	2	23 21,22	2.648	,0447	,8393	,4229	—7,5265
1160	Serpentis	9	2	23 27,99	3,413	,0366	,8328	,5331	+7,4400
1161	Ophiuchi	9	4	23 34,38	3,064	—8,0206	—8,8185	+0,4863	—5,4844
1162	———	8.9	3	24 6,78	3,626	,0499	,8543	,5594	+7,6400
1163	Herculis	8	2	24 42,98	2,266	,0760	,8870	,3553	—7,7914
1164	———	7.8	2	24 43,93	2,358	,0629	,8739	,3725	—7,7383
1165	Ophiuchi	8	2	25 31,42	3,671	,0372	,8602	,5648	+7,6552
1166	53 Ophiuchi *præc.*	8	3	26 49,37	2,842	—7,9870	—8,8256	+0,4536	—7,2128
1167	———	7.8	5	27 24,54	3,520	,9960	,8436	,5465	+7,5060
1168	———	7	4	28 13,67	2,783	,9719	,8295	,4445	—7,2951
1169	Herculis	7.8	3	28 59,33	2,557	,9820	,8501	,4077	—7,5383
1170	Ophiuchi	8	4	29 24,25	2,792	,9545	,8293	,4459	—7,2634

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	b'	c'	d'		A. R.	Decn.
		° ′ ″	″						s.	″
1126	4	—26 22 22,63	—4,287	—8,6532	+8,9779	—0,6321	+9,9898	41	+,004	+ ,04
1127	3	— 2 34 11,87	4,253	+9,5911	+7,9778	,6287	,9900	46	+,002	+ ,02
1128	3	—26 19 37,42	4,207	—8,6532	+8,9690	,6240	,9902	48	+,005	— ,02
1129	4	—12 54 35,42	4,167	+9,3117	+8,6672	,6198	,9904	55	+,001	— ,11
1130	2	—23 24 11,33	4,144	+8,0000	+8,9144	,6175	,9906	57	+,002	— ,06
1131	4	+49 52 6,08	4,104	+0,0124	—9,1947	—0,6133	+9,9907	69	+,026	— ,21
1132	2	+56 15 38,42	4,099	+0,0232	—9,2305	,6126	,9907	72	+,014	— ,04
1133	2	+ 9 35 31,69	4,076	+9,7716	—8,5296	,6102	,9908	66	+,026	— ,20
1134	2	—24 55 57,66	4,053	—8,2787	+8,9307	,6078	,9909	62	+,033	— ,16
1135	4	+25 42 33,81	4,025	+9,9117	—8,9399	,6047	,9911	71	+,017	— ,07
1136	3	—19 17 2,17	4,007	+8,9395	+8,8197	—0,6029	+9,9911	67	+,013	— ,06
1137	3	+ 9 54 6,56	3,973	+9,7745	—8,5325	,5991	,9913	74	+,018	— ,18
1138	2	—23 40 49,47	3,967	+7,4771	+8,9004	,5985	,9913	70	+,008	— ,01
1139	4	— 9 11 47,54	3,893	+9,4330	+8,4921	,5903	,9916	79	+,006	— ,09
1140	4	—27 26 32,16	3,819	—8,8261	+8,9436	,5819	,9920	82	+,026	+ ,02
1141	4	+13 33 30,21	3,802	+9,8142	—8,6477	—0,5800	+9,9920	85	+,014	— ,14
1142	3	+ 9 0 39,74	3,796	+9,7657	—8,4717	,5793	,9921	84	+,009	— ,10
1143	2	+22 4 34,79	3,733	+9,8870	—8,8449	,5720	,9923	92	+,006	+ ,06
1144	3	—21 15 42,73	3,727	+8,6812	+8,8290	,5714	,9924	89	+,031	— ,05
1145	2	+56 5 56,86	3,727	+0,0241	—9,1885	,5714	,9924	101	+,008	+ ,04
1146	3	+15 42 3,62	3,635	+9,8351	—8,6909	—0,5605	+9,9927	102	+,013	— ,09
1147	3	+16 32 1,72	3,607	+9,8426	—8,7093	,5571	,9928	104		+ ,04
1148	4	— 9 21 26,00	3,509	+9,4281	+8,4548	,5452	,9932	107	+,006	— ,07
1149	3	+ 8 35 13,65	3,475	+9,7604	—8,4129	,5409	,9934	108	+,021	— ,23
1150	2	+53 30 1,26	3,469	+0,0212	—9,1434	,5402	,9934	116	+,014	— ,18
1151	4	+ 9 53 36,97	3,452	+9,7752	—8,4707	—0,5380	+9,9935	111	+,017	— ,08
1152	4	—15 29 57,26	3,372	+9,1903	+8,6527	,5278	,9938	114	+,010	— ,18
1153	3	+ 3 8 34,61	3,348	+9,6875	—7,9605	,5248	,9938	119	+,004	— ,27
1154	2	— 9 57 38,98	3,337	+9,4082	+8,4596	,5233	,9939	118	+,011	— ,28
1155	3	+53 16 26,95	3,337	+0,0212	—9,1252	,5233	,9939	124	+,015	+ ,03
1156	3	+22 16 28,74	3,268	+9,8899	—8,7911	—0,5143	+9,9941	123	+,013	— ,10
1157	3	— 2 41 36,72	3,251	+9,5877	+7,8831	,5120	,9942	122	+,006	,00
1158	3	— 2 24 12,76	3,210	+9,5944	+7,8265	,5065	,9944	126	—,010	— ,17
1159	2	+17 38 45,84	3,176	+9,8531	—8,6816	,5018	,9945	133	+,006	— ,09
1160	3	—14 39 55,04	3,164	+9,2304	+8,6017	,5003	,9945	129	+,024	— ,17
1161	2	+ 0 10 10,02	3,153	+9,6345	—6,6604	—0,4987	+9,9946	132	+,013	— ,17
1162	2	—22 54 17,03	3,107	+8,2041	+8,7804	,4923	,9947	134	+,006	— ,07
1163	3	+31 17 9,22	3,061	+9,9464	—8,8992	,4858	,9949	143	+,017	+ ,02
1164	3	+28 15 54,70	3,061	+9,9299	—8,8592	,4858	,9949	141	+,017	— ,02
1165	4	—24 30 28,07	2,980	—8,2304	+8,7902	,4742	,9951	142	—,008	— ,05
1166	3	+ 9 41 26,49	2,876	+9,7738	—8,3827	—0,4588	+9,9955	149	+,010	— ,22
1167	4	—18 52 41,28	2,818	+8,9590	+8,6581	,4500	,9957	152	+,016	— ,05
1168	4	+12 9 31,07	2,755	+9,8007	—8,4613	,4401	,9958	158	+,016	+ ,05
1169	4	+21 6 23,03	2,691	+9,8814	—8,6843	,4300	,9960	163	+,018	— ,01
1170	4	+11 45 46,71	2,651	+9,7973	—8,4303	,4234	,9962	165	+,005	+ ,03

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
1171	Ophiuchi	8	3	17 30 10,93	+2,792	—7,9431	—8,8295	+0,4459	—7,2531
1172	———	8.9	2	30 21,27	3,329	,9392	,8286	,5223	+7,2262
1173	Herculis	8	2	30 27,80	2,568	,9598	,8492	,4096	—7,5069
1174	Ophiuchi	9	2	30 50,25	3,651	,9624	,8589	,5624	+7,5674
1175	———	7.8	1	30 52,00	3,019	,9243	,8207	,4799	—6,4917
1176	Ophiuchi	7	4	31 26,25	2,752	—7,9279	—8,8326	+0,4396	—7,2935
1177	———	8	3	32 7,96	2,753	,9165	,8327	,4398	—7,2805
1178	———	7.8	3	32 36,85	3,097	,8974	,8209	,4909	+6,2587
1179	Herculis	7.8	2	32 56,46	2,463	,9340	,8619	,3915	—7,5520
1180	Ophiuchi	8	3	34 35,20	2,845	,8714	,8273	,4541	—7,0905
1181	Ophiuchi	8	3	34 49,89	3,603	—7,8923	—8,8540	+0,5567	+7,4646
1182	———	7.8	2	34 56,44	3,231	,8617	,8246	,5093	+6,9476
1183	———	7	2	34 59,31	2,654	,8786	,8415	,4239	—7,3523
1184	Herculis	7	2	35 32,29	2,370	,9021	,8744	,3747	—7,5699
1185	83 ———	6	2	35 45,14	2,458	,8858	,8630	,3906	—7,5060
1186	Draconis	8	3	36	—0,376	—8,2844	—9,2652	—9,5752	—8,2543
1187	Ophiuchi	8	3	36 14,24	+2,933	7,8381	8,8238	+0,4673	—6,8427
1188	61 ——— *seq.*	7.8	4	36 21,34	3,007	7,8339	8,8221	,4781	—6,4988
1189	———	7.8	4	36 48,22	2,740	7,8376	8,8346	,4377	—7,2172
1190	Draconis	8	2	36 53,67	1,277	—8,0495	9,0465	,1062	—7,9542
1191	Ophiuchi	8.9	3	37 31,91	2,933	—7,8129	—8,8241	+0,4673	—6,8162
1192	———	7.8	1	38 8,84	2,935	,8010	,8241	,4676	—6,7993
1193	———	8.9	2	38 44,51	2,936	,7888	,8242	,4678	—6,7820
1194	———	8	2	39 0,46	2,934	,7834	,8243	,4675	—6,7842
1195	Telescopii	7	3	40 0,91	4,214	,8787	,9426	,6247	+7,6932
1196	Sagittarii	7	3	41 26,17	3,979	—7,8081	—8,9057	+0,5998	+7,5596
1197	———	8	5	42 1,99	3,545	,7383	,8488	,5496	+7,2664
1198	Tauri Pon.	8	3	42 38,43	2,897	,7024	,8262	,4619	—6,8064
1199	Herculis	7	4	42 38,54	1,949	,8165	,9386	,2898	—7,6248
1200	———	8		42	3,992	,7757	,9080	,6012	+7,5315
1201	Ophiuchi	9	2	43 43,35	3,522	—7,6932	—8,8467	+0,5468	+7,2021
1202	———	8	3	44 3,96	3,549	7,6868	8,8495	+ ,5501	+7,2177
1203	ψ^1 Draconis *seq.*	7	3	44 53,95	—1,093	8,1588	9,3385	— ,0386	—8,1376
1204	Ophiuchi	8	3	45 3,53	+3,632	7,6675	8,8588	+ ,5601	+7,2585
1205	———	7	3	45 33,73	3,104	7,6159	8,8232	+ ,4919	+6,0527
1206	Serpentis	7.8	4	45 46,82	3,342	—7,6185	—8,8320	+0,5240	+6,9210
1207	Telescopii	7	3	46 9,03	4,256	,7238	8,9499	,6290	+7,5466
1208	Herculis	7.8		46	1,564	,7687	9,0013	,1942	—7,6427
1209	Serpentis	8	3	47 22,99	3,440	,5733	8,8397	,5366	+7,0043
1210	Ophiuchi	8	2	47 47,23	3,525	,5668	8,8474	,5472	+7,0772
1211	Tauri Pon.	7	3	47 57,07	2,947	—7,5396	—8,8251	+0,4694	—6,4955
1212	———	7	2	48 46,98	2,951	,5092	,8251	,4700	—6,4510
1213	Ophiuchi	7.8	1	49 11,74	3,472	,5079	,8425	,5406	+6,9697
1214	Herculis	7	2	49 13,11	2,625	,5115	,8461	,4191	—7,0096
1215	———	8	4	49 59,09	1,705	,6157	,9785	,2317	—7,4695

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A.R.	Decn.
		° ′ ″	″						s	″
1171	4	+11 47 33,18	−2,581	+9,7973	−8,4200	−0,4119	+9,9964	171	+,004	− ,02
1172	3	−11 10 1,20	2,564	+9,3692	+8,3940	,4089	,9964	170	+,014	− ,11
1173	2	+20 42 3,71	2,564	+9,8785	−8,6550	,4089	,9964	175	+,013	− ,01
1174	3	−23 44 20,86	2,524	−7,4771	+8,7051	,4020	,9965	173	+,012	− ,01
1175	3	+ 2 7 44,61	2,524	+9,6730	−7,6675	,4020	,9965	177	+,048	+ ,02
1176	3	+13 25 34,89	2,477	+9,8142	−8,4576	−1,3940	+9,9966	183	+,013	+ ,01
1177	2	+13 22 52,34	2,414	+9,8136	−8,4450	,3827	,9968	185	+,010	,00
1178	4	− 1 18 16,59	2,373	+9,6075	+7,4347	,3753	,9969	187	+,016	− ,06
1179	3	+24 30 33,58	2,350	+9,9069	−8,6871	,3711	,9970	191	+,014	− ,06
1180	3	+ 9 32 2,27	2,205	+9,7730	−8,2606	,3434	,9973	199	+,011	− ,14
1181	4	−21 56 30,42	2,176	+8,5051	+8,6081	−0,3377	+9,9974	197	−,006	− ,07
1182	4	− 6 59 48,99	2,170	+9,4914	+8,1205	,3365	,9974	202	+,014	− ,06
1183	2	+17 18 53,66	2,170	+9,8513	−8,5083	,3365	,9974	205	+,011	+ ,02
1184	2	+27 43 39,23	2,124	+9,9279	−8,6930	,3272	,9975	212	+,019	− ,06
1185	3	+24 39 4,61	2,101	+9,9079	−8,6406	,3224	,9976	213	+,002	− ,19
1186	1	+68 54 10,36	2,083	+0,0350	−8,9867	−0,3188	+9,9976	232		+ ,11
1187	1	+ 5 47 36,33	2,060	+9,7269	−8,0165	,3139	,9977	214	+,021	− ,08
1188	3	+ 2 39 21,59	2,049	+9,6803	−7,6745	,3115	,9977	216	−,001	− ,11
1189	3	+13 51 38,13	2,008	+9,8189	−8,3804	,3028	,9978	219	+,007	+ ,02
1190	3	+53 25 11,67	2,008	+0,0245	−8,9055	,3028	,9978	224	−,035	− ,14
1191	2	+ 5 47 22,99	1,944	+9,7259	−7,9901	−0,2887	+9,9979	222	+,016	− ,05
1192	3	+ 5 43 45,24	1,892	+9,7251	−7,9733	,2769	,9980	230	+,005	− ,19
1193	3	+ 5 38 0,80	1,840	+9,7243	−7,9560	,2648	,9982	234	+,017	− ,12
1194	3	+ 5 45 34,93	1,816	+9,7259	−7,9581	,2592	,9982	235	+,012	− ,10
1195	3	−40 42 49,14	1,724	−9,5065	+8,7489	,2364	,9984	236	+,009	− ,17
1196	4	−34 21 49,56	1,596	−9,3096	+8,6525	−0,2030	+9,9986	248	−,016	− ,03
1197	5	−19 43 18,59	1,549	+8,8573	+8,4163	,1901	,9987	251	+,015	− ,16
1198	4	+ 7 17 7,20	1,503	+9,7459	−7,9789	,1769	,9988	260	−,003	− ,05
1199	2	+40 1 55,72	1,509	+9,9881	−8,6850	,1786	,9988	262	+,008	− ,02
1200		−34 44	1,474	−9,3243	+8,6223	,1684	,9988	256		
1201	3	−18 49 45,28	1,404	+8,9494	+8,3543	−0,1473	+9,9989	263	+,026	+ ,09
1202	4	−19 50 34,56	1,375	+8,8388	+8,3672	,1383	,9990	264	+,002	− ,07
1203	2	+72 14 9,93	1,323	+0,0342	−8,7982	,1214	,9990	287	+,013	− ,27
1204	4	−22 56 23,95	1,287	+8,0414	+8,3988	,1098	,9991	268	+,004	+ ,04
1205	3	− 1 34 37,23	1,241	+9,6096	+7,2286	,0938	,9992	274	,000	− ,02
1206	3	−11 35 41,88	1,224	+9,3502	+8,0890	−0,0876	+9,9992	276	+,013	− ,04
1207	4	−41 40 57,42	1,189	−9,5315	+8,5959	,0751	,9992	272	+,006	− ,03
1208	1	+48 26 31,26	1,171	+0,0149	−8,6407	,0686	,9992	288		− ,04
1209	2	−15 39 6,88	1,084	+9,1732	+8,1640	,0350	,9994	284	+,002	− ,04
1210	2	−18 54 23,82	1,049	+8,9445	+8,2292	,0208	,9994	290	+,018	− ,06
1211	3	+ 5 11 34,62	1,037	+9,7177	−7,6698	−0,0159	+9,9994	299	+,005	− ,10
1212	3	+ 5 0 42,00	0,967	+9,7152	−7,6254	9,9856	,9995	296	+,010	− ,06
1213	4	−16 49 55,31	0,927	+9,1004	+8,1268	9,9669	,9995	297	+,006	− ,03
1214	3	+18 21 22,72	0,927	+9,8609	−8,1630	9,9669	,9995	300	+,015	− ,04
1215	3	+45 34 59,96	0,868	+0,0077	−8,4906	9,9387	,9996	306	+,024	+ ,03

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1216	Serpentis	7.8	3	17 50 21,03	+3,186	—7,4384	—8,8252	+0,5032	+6,3816
1217	Draconis	7.8	4	50 27,33	0,715	,7466	9,1303	9,8543	—7,6860
1218	Sagittarii	8	3	51 28,13	3,503	,4064	8,8456	0,5444	+6,8979
1219	———	7.8	3	52 35,65	3,670	,3571	,8638	,5647	+6,9706
1220	———	7·8	2	53 17,36	3,971	,3560	,9054	,5989	+7,1041
1221	Herculis	8	2	53 38,33	2,732	—7,2694	—8,8371	+0,4365	—6,6571
1222	Sagittarii	8.9		53	3,639	,2830	,8601	,5610	+6,8773
1223	Tauri Pon.	8·9	3	54 6,82	2,965	,2183	,8250	,4720	—6,1015
1224	Sagittarii	9	2	54 19,87	3,540	,2270	,8493	,5490	+6,7497
1225	Herculis	8	4	54 33,74	2,507	,2205	,8591	,3991	—6,8085
1226	Herculis	8	3	55 35,31	2,710	—7,1020	—8,8389	+0,4330	—6,5155
1227	Telescopii	7.8	2	55 49,24	4,332	7,1972	,9626	,6367	+7,0342
1228	Sagittarii	8	3	56 23,89	3,790	7,0423	,8795	,5786	+6,7192
1229	———	8	3	57 27,59	3,872	6,8861	,8909	,5879	+6,5982
1230	———	8.9	3	57 50,95	3,604	6,7824	,8563	,5568	+6,3535
1231	Tauri Pon.	7.8	2	58 13,48	2,747	—6,6800	—8,8360	+0,4389	—6,0476
1232	Sagittarii	7	2	58 48,79	3,594	6,4650	,8551	,5556	+6,0284
1233	———	7	2	59 4,27	3,723	6,3344	,8707	,5709	+5,9780
1234	Tauri Pon.	7.8	3	59 18,62	2,911	6,1937	,8269	,4640	—5,2607
1235	———	8	2	59 43,87	2,845	5,2936	,8299	,4541	+4,5105
1236	Sagittarii	9	2	18 0 6,52	3,657	+6,0252	—8,8625	+0,5631	—5,6311
1237	———	7.8	2	0 55,74	3,714	,5636	,8694	,5698	—6,2021
1238	100 Herculis *præc.*	6.7	5	1 13,01	2,414	,6565	,8705	,3827	+6,2996
1239	———	8	3	1 27,07	2,441	,7111	,8671	,3876	+6,3395
1240	Ophiuchi	8.9	3	1 59,57	2,785	,8157	,8334	,4448	+6,1317
1241	Herculis	7	4	2 54,21	2,283	+7,0147	—8,8881	+0,3585	+6,7194
1242	———	8	4	4 30,55	2,150	,2168	,9079	,3324	+6,9701
1243	Sagittarii	7.8	3	4 53,73	3,939	,2512	,9009	,5954	—6,9888
1244	———	8.9	4	5 5,02	3,664	,2301	,8632	,5640	—6,8399
1245	Tauri Pon.	7.8	4	6 13,54	2,847	,2757	,8296	,4544	+6,4888
1246	Sagittarii	8	3	7 29,20	4,085	+7,4513	—8,9229	+0,6112	—7,2336
1247	Tauri Pon.	7.8	4	9 22,23	2,784	,4525	,8331	,4447	+6,7709
1248	Cly. Sob.	8.9	4	9 34,29	3,469	,4736	,8423	,5402	—6,9324
1249	Sagittarii	7.8	3	9 53,38	4,152	,5793	,9335	,6183	—7,3790
1250	Tauri Pon.	7.8	2	10 14,53	2,789	,4899	,8328	,4454	+6,8012
1251	Cly. Sob.	8.9	3	11 46,99	3,462	+7,5608	—8,8414	+0,5393	—7,0125
1252	——— ———	8	2	11 51,51	3,462	,5632	,8414	,5393	—7,0149
1253	——— ———	8.9	3	12 8,66	3,733	,6051	,8714	,5721	—7,2544
1254	Sagittarii	7.8	3	13 10,52	3,982	,6762	,9066	,6001	—7,4282
1255	Draconis	8.9	1	14 29,91	—0,332	8,0613	9,2606	—9,5211	+8,0303
1256	Serpentis	7.8	4	15 21,44	3,096	+7,6548	—8,8230	+0,4908	—5,9818
1257	Tauri Pon.	7	3	17 4,39	2,951	,7022	,8243	,4700	+6,6425
1258	Sagittarii	8	3	18 50,47	3,693	,7867	,8656	,5674	—7,4148
1259	———	8	2	19 11,78	3,954	,8307	,9020	,5970	—7,5743
1260	———	8.9	3	19 13,87	3,953	,8319	,9017	,5969	—7,5749

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	b'	c'	d'		A. R.	Decn.
		° ′ ″	″						s.	″
1216	4	— 5 1 37,57	—0,823	+9,5366	+7,5560	—9,9148	+9,9996	305	+,012	— ,24
1217	2	+60 25 39,26	0,827	+0,0346	—8,5553	,9179	,9996	315	+,004	— ,09
1218	2	—18 3 28,05	0,728	+9,0128	+8,0521	,8625	,9997	308	—,007	,00
1219	3	—24 14 43,66	0,624	—8,1461	+8,1066	,7950	,9998	319	—,017	— ,01
1220	3	—34 2 51,10	0,566	—9,3010	+8,1986	,7524	,9998	325	+,019	,00
1221	2	+14 7 47,19	0,543	+9,8228	—7,8199	—9,7341	+9,9998	336	+,014	— ,12
1222	3	—23 7 53,96	0,530	+7,7781	+8,0170	,7247	,9998	330		,00
1223	2	+ 4 22 51,34	0,496	+9,7067	—7,2765	,6951	,9999	340	+,012	— ,29
1224	3	—19 27 21,19	0,476	+8,8808	+7,9003	,6795	,9999	338	+,002	— ,16
1225	4	+22 46 53,72	0,462	+9,8960	—7,9493	,6633	,9999	345	+,016	— ,02
1226	3	+15 0 13,35	0,367	+9,8312	—7,6765	—9,5650	+9,9999	350	+,019	— ,22
1227	3	—43 23 49,66	0,343	—9,5705	+8,0716	,5365	,9999	346	+,003	+ ,07
1228	3	—28 22 5,17	0,291	—8,9685	+7,8397	,4646	,9999	351	+,016	+ ,04
1229	3	—31 0 46,67	0,199	—9,1553	+7,7072	,2972	0,0000	355	+,019	— ,09
1230	4	—21 52 18,10	0,169	+8,4914	+7,4972	,2281	,0000	360	+,021	— ,03
1231	3	+13 28 34,18	0,140	+9,8162	—7,2116	—9,1459	+0,0000	363	—,020	— ,06
1232	3	—21 27 50,07	0,082	+8,5798	+7,1733	8,9118	,0000	364	+,006	— ,01
1233	3	—26 7 3,63	0,058	—8,6990	+7,1074	8,7657	,0000	365	,000	— ,27
1234	3	+ 6 41 31,00	0,046	+9,7388	—6,4338	8,6688	,0000	371	—,001	— ,07
1235	2	+ 9 28 45,97	0,006	+9,7730	—5,6806	7,7657	,0000	376	+,012	— ,22
1236	1	—23 47 30,02	+0,029	—7,7781	—6,7686	+8,4647	+0,0000	375	+,016	+ ,10
1237	3	—25 47 13,77	0,099	—8,6434	—7,3326	8,9961	,0000	383	+,014	— ,09
1238	3	+26 4 43,26	0,122	+9,9191	+7,4291	9,0879	,0000	389	+,017	+ ,07
1239	2	+25 9 20,63	0,140	+9,9127	+7,4723	9,1459	,0000	391	+,014	— ,17
1240	4	+11 56 48,48	0,192	+9,8007	+7,2983	9,2842	,0000	3	+,001	— ,20
1241	5	+30 26 17,31	0,268	+9,9445	+7,8311	+9,4284	+0,0000	6	+,016	— ,05
1242	3	+34 31 36,86	0,408	+9,9652	+8,0621	,6108	9,9999	13	+,010	— ,09
1243	4	—33 7 53,72	0,449	—9,2624	—8,0878	,6521	0,0000	9	+,012	— ,06
1244	4	—24 2 14,72	0,466	—8,0414	—7,9766	,6687	,0000	12	—,001	— ,01
1245	4	+ 9 24 1,78	0,558	+9,7716	+7,6590	,7479	9,9998	19	+,004	— ,19
1246	5	—37 16 34,15	0,677	—9,4150	—8,3104	+9,8301	+9,9997	22	—,002	— ,11
1247	4	+12 1 0,99	0,833	+9,8007	+7,9374	,9209	,9996	30	+,009	+ ,10
1248	3	—16 42 49,25	0,857	+9,1106	—8,0898	,9329	,9996	29	+,007	— ,08
1249	4	—39 4 55,46	0,886	—9,4669	—8,4451	,9474	,9996	28	+,005	— ,08
1250	4	+11 49 22,11	0,909	+9,7993	+7,9686	,9587	,9995	35	+,023	— ,08
1251	3	—16 26 30,25	1,049	+9,1271	—8,1704	+0,0208	+9,9994	38	+,011	— ,18
1252	4	—16 26 23,89	1,055	+9,1271	—8,1728	,0232	,9994	40	+,001	— ,07
1253	4	—26 29 5,63	1,084	—8,7559	—8,3823	,0350	,9994	41	+,012	— ,08
1254	4	—34 24 28,51	1,177	—9,3139	—8,5208	,0708	,9992	44	+,004	— ,11
1255	3	+68 35 1,40	1,305	+0,0362	+9,7688	,1019	,9991	61	—,054	+ ,08
1256	4	— 1 13 26,48	1,358	+9,6159	—7,1578	+0,1327	+9,9990	59	+,012	— ,09
1257	4	+ 4 59 57,85	1,508	+9,7152	+7,8169	,1786	,9988	65	+,013	— ,15
1258	4	—25 8 15,68	1,666	—8,4771	—8,5477	,2216	,9985	68	—,002	— ,20
1259	3	—33 38 41,69	1,695	—9,2810	—8,6707	,2291	,9984	69	+,028	— ,13
1260	4	—33 35 32,02	1,700	—9,2787	—8,6716	,2305	,9984	71	+,015	— ,01

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s*				
1261	Serpentis	8.9	3	18 19 26,58	+3,066	+7,7569	—8,8223	+0,4866	+5,0657
1262	Herculis	7.8	3	19 53,80	2,408	,8134	,8699	,3817	+7,4608
1263	———	7.8	3	20 5,36	2,408	,8176	,8699	,3817	+7,4651
1264	Sagittarii	8	3	20 22,83	3,665	,8168	,8620	,5641	—7,4286
1265	———	7.8	3	21 38,53	3,933	,8794	,8985	,5947	—7,6159
1266	Cor. Aust.	8	5	22 4,50	4,138	+7,9204	—8,9302	+0,6168	—7,7175
1267	Sagittarii	7.8	2	23 19,86	3,933	,9126	,8983	,5947	—7,6495
1268	———	7.8	3	25 34,38	3,577	,9042	,8509	,5535	—7,4578
1269	———	7.8	3	25 37,51	3,477	,8952	,8408	,5412	—7,3636
1270	———	8.9	2	26 44,86	3,815	,9538	,8806	,5815	—7,6444
1271	Sagittarii	8.9	2	26 50,86	3,822	+7,9559	—8,8816	+0,5823	—7,6496
1272	Lyræ	8	2	27 14,17	2,003	8,0074	,9288	,3017	+7,8039
1273	Sagittarii	7.8	2	27 43,32	3,950	7,9893	,9001	,5966	—7,7325
1274	Cly. Sob.	8	3	28 49,63	3,242	7,9287	,8241	,5108	—7,0424
1275	Tauri Pon.	7.8	2	29 32,48	2,803	7,9433	,8287	,4476	+7,2348
1276	Tauri Pon.	7.8	5	29 39,85	2,805	+7,9451	—8,8286	+0,4479	+7,2341
1277	Sagittarii	8	3	30 28,75	3,854	8,0155	,8854	,5859	—7,7231
1278	Tauri Pon.	8	2	30 42,73	3,116	7,9531	,8202	,4936	—6,5171
1279	Cly. Sob.	8	3	31 34,50	3,412	7,9791	,8341	,5330	—7,3821
1280	Aquilæ	8	3	33 25,77	3,242	7,9931	,8229	,5108	—7,1078
1281	Cor. Aust.	7	1	33 35,52	4,173	+8,1068	—8,9340	+0,6204	—7,9137
1282	Tauri Pon.	7.8	3	33 51,07	2,784	,0042	8,8288	0,4447	+7,3256
1283	—— ——	7.8	5	34 12,39	2,784	,0084	8,8288	0,4447	+7,3304
1284	Draconis	7	3	35 41,53	0,192	,3948	9,1984	9,2833	+8,3533
1285	Tauri Pon.	7.8	3	35 59,66	2,872	,0254	8,8232	0,4582	+7,1934
1286	Draconis	7	2	36 4,49	0,545	+8,3521	—9,1524	+9,7364	+8,2996
1287	Antinoi	8.9	1	36 50,42	3,146	,0316	8,8190	0,4978	—6,8025
1288	———	7.8	3	37 14,48	3,216	,0374	8,8208	0,5073	—7,0857
1289	Draconis	8	3	38 12,02	0,411	,3963	9,1704	9,6138	+8,3486
1290	Lyræ	7	3	38 32,63	2,025	,1554	8,9233	0,3064	+7,9483
1291	Sagittarii	8.9	3	39 7,70	3,556	+8,0836	—8,8454	+0,5510	—7,6245
1292	Lyræ	8	3	39 10,43	2,152	,1421	8,9032	,3328	+7,8989
1293	Draconis	9.10	2	39 55,23	1,125	,3147	9,0684	,0511	+8,2327
1294	Sagittarii	7.8	3	40 25,15	3,737	,1206	8,8670	,5725	—7,7769
295	———	8	3	40 48,08	3,611	,1084	8,8511	,5576	—7,6903
1296	Antinoi	7	2	40 54,48	3,209	+8,0781	—8.8193	+0,5064	—7,1044
1297	Lyræ	8	3	41 17,74	2,355	,1343	8,8727	,3720	+7,8125
1298	Antinoi	8	3	41 57,24	3,299	,0918	8,8231	,5184	—7,3301
1299	———	8	3	42 20,35	3,217	,0927	8,8191	,5074	—7,1432
1300	Draconis	8	2	42 21,17	—1,174	,6164	9,3456	— ,0697	+8,5964
1301	Lyræ	7.8	3	42 21,59	+2,228	+8,1644	—8,8908	+0,3479	+7,8958
1302	Draconis	7	3	42 38,90	0,623	,4164	9,1414	9,7945	+8,3614
1303	Herculis	8.9	3	42 43,54	2,491	,1316	8,8546	0,3964	+7,7361
1304	Sagittarii	9	3	43 19,00	3,528	,1244	8,8413	0,5475	—7,6436
1305	Lyræ	8.9	3	44 3,67	2,211	,1837	8,8930	0,3446	+7,9217

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A.R.	Decn.
		° ′ ″	″						s	″
1261	4	+ 0 6 19,57	+1,718	+9,6395	+6,2418	+0,2350	+9,9984	77	+,008	— ,19
1262	3	+26 22 12,50	1,753	+9,9196	+8,5892	,2437	,9983	83	+,010	+ ,06
1263	5	+26 21 26,11	1,770	+9,9196	+8,5935	,2480	,9983	84	+,012	+ ,08
1264	4	—24 9 47,71	1,799	—8,0414	—8,5507	,2551	,9983	81	+,008	+ ,07
1265	5	—33 2 42,87	1,909	—9,2528	—8,7154	,2809	,9980	87	+,007	— ,01
1266	2	—38 49 42,20	1,950	—9,4564	—8,7852	+0,2900	+9,9979	90	+,002	— ,04
1267	2	—33 4 48,88	2,060	—9,2528	—8,7488	,3139	,9977	97	+,002	— ,09
1268	4	—20 57 41,65	2,251	+8,6902	—8,6042	,3525	,9972	110	+,029	— ,12
1269	4	—17 6 23,00	2,310	+9,0899	—8,5200	,3536	,9972	111	+,013	— ,16
1270	4	—29 21 50,11	2,356	—9,0374	—8,7607	,3721	,9970	117	+,009	— ,09
1271	3	—29 36 1,76	2,362	—8,1139	—8,7649	+0,3732	+9,9970	118	—,006	— ,05
1272	3	+38 44 43,21	2,385	+9,9818	+8,8720	,3774	,9969	126	+,028	— ,10
1273	4	—33 36 33,93	2,443	—9,2742	—8,8291	,3879	,9967	122	+,008	— ,02
1274	4	— 7 27 53,69	2,530	+9,4786	—8,2148	,4030	,9965	130	—,018	— ,03
1275		+11 17	2,587	+9,7924	+8,4024	,4128	,9963	133	+,007	
1276	4	+11 13 24,10	2,599	+9,7917	+8,4018	+0,4148	+9,9963	134	+,017	+ ,01
1277	3	—30 40 10,67	2,680	—9,1206	—8,8337	,4218	,9961	136	+,001	— ,22
1278	2	— 2 5 20,71	2,697	+9,5999	—7,6929	,4309	,9960	138	+,020	— ,08
1279	3	—14 39 0,39	2,772	+9,2304	—8,5438	,4428	,9958	140	+,012	— ,15
1280	4	— 7 29 12,86	2,934	+9,4786	—8,2802	,4674	,9953	152	+,017	— ,02
1281	4	—39 53 56,18	2,951	—9,4786	—8,9749	+0,4700	+9,9952	148	—,023	— ,42
1282	3	+12 5 14,69	2,968	+9,8000	+8,4920	,4725	,9952	154	+,009	+ ,05
1283	3	+12 6 19,59	2,997	+9,8007	+8,4968	,4767	,9951	156	+,013	— ,03
1284	4	+65 20 28,96	3,112	+0,0326	+9,1496	,4931	,9947	173	+,009	— ,08
1285	4	+ 8 28 4,57	3,149	+9,7589	+8,3642	,4982	,9946	163	+,011	— ,10
1286	2	+62 22 43,68	3,135	+0,0318	+9,1418	+0,4963	+9,9946	174	+,054	+ ,04
1287	4	— 3 23 36,30	3,227	+9,5740	—7,9779	,5089	,9943	168	+,002	— ,06
1288	3	— 6 25 0,97	3,256	+9,5065	—8,2590	,5127	,9942	171	+,019	— ,14
1289	4	+63 38 22,03	3,325	+0,0318	+9,1721	,5218	,9939	190	—,012	— ,04
1290	4	+38 22 6,93	3,371	+9,9786	+9,0187	,5278	,9938	182	—,009	— ,05
1291	4	—20 19 41,13	3,417	+8,8129	—8,7726	+0,5337	+9,9936	180	+,018	— ,14
1292	3	+34 50 24,69	3,423	+9,9633	+8,9892	,5344	,9936	188	—,006	— ,06
1293		+55 53	3,480	+0,0245	+9,1576	,5416	,9933	198	+,047	
1294	3	—26 56 58,53	3,538	—8,7708	—8,9031	,5487	,9931	191	+,010	— ,14
1295	3	—22 26 48,43	3,567	+8,3979	—8,8322	,5522	,9930	194	,000	— ,01
1296	2	— 6 5 29,16	3,578	+9,5132	—8,2781	+0,5536	+9,9930	197	+,012	— ,06
1297	2	+28 28 4,28	3,601	+9,9294	+8,9326	,5564	,9929	200	+,003	— ,06
1298	3	— 9 57 32,51	3,658	+9,4099	—8,4995	,5633	,9926	201	+,005	— ,15
1299	3	— 6 27 49,03	3,698	+9,5065	—8,3166	,5680	,9925	204	+,010	— ,02
1300	2	+72 47 49,95	3,675	+0,0282	+9,2435	,5653	,9926	221	+,001	— ,01
1301	2	+32 35 55,53	3,707	+9,9518	+8,9974	+0,5690	+9,9925	207	+,005	— ,08
1302	2	+61 46 1,66	3,710	+0,0298	+9,2124	,5694	,9924	212	—,009	+ ,10
1303	2	+23 42 51,03	3,727	+9,8987	+8,8739	,5714	,9924	209	+,017	— ,08
1304	3	—19 18 33,29	3,779	+8,9294	—8,7946	,5773	,9921	208	+,019	— ,05
1305	2	+33 9 56,67	3,842	+9,9542	+9,0206	,5845	,9919	216	+,015	— ,05

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
1306	Sagittarii	8	3	18 45 1,95	+3,806	+8,1766	—8,8753	+0,5805	—7,8675
1307	Lyræ	8	2	47 16,95	1,826	,2760	,9541	,2615	+8,1139
1308	Herculis	7.8	4	47 23,25	2,588	,1651	,8420	,4130	+7,7026
1309	Lyræ	8	2	47 59,94	1,827	,2819	,9538	,2617	+8,1199
1310	Serpentis	6.7	1	48 10,53	3,016	,1451	,8145	,4794	+6,7422
1311	o Draconis *pr.*	8.9	3	48 45,46	0,877	+8,4395	—9,1047	+9,9430	+8,3735
1312	Sagittarii	8.9	2	49 42,27	3,769	,2138	8,8687	0,5762	—7,8892
1313	Aquilæ	8	4	51 2,88	3,137	,1705	,8136	,4965	—6,8965
1314	Sagittarii	8	4	51 28,40	3,633	,2112	,8502	,5603	—7,8111
1315	Aquilæ	7.8	3	51 45,64	2,721	,1903	,8275	,4347	+7,6010
1316	Aquilæ	8.9	3	52 28,84	2,727	+8,1958	—8,8268	+0,4357	+7,5998
1317	Antinoi *pr.*	8	5	54 18,10	3,089	,1958	,8116	,4898	—6,4077
1318	——— *seq*	8	2	54 19,08	3,090	,1963	,8116	,4900	—6,4159
1319	Sagittarii	8.9	3	54 46,38	3,674	,2427	,8541	,5651	—7,8692
1320	Lyræ	8.9	3	54 47,74	1,689	,3629	,9754	,2276	+8,2252
1321	Aquilæ	8.9	3	55 32,37	3,091	+8,2056	—8,8110	+0,4901	—6,4546
1322	———	8	3	55 56,41	2,859	,2142	,8163	,4562	+7,4156
1323	Sagittarii	8	3	56 5,89	3,743	,2622	,8628	,5732	—7,9269
1324	Lyræ	8.9	3	56 30,08	2,071	,3131	,9115	,3162	+8,0984
1325	Aquilæ	7	3	57 20,44	2,854	,2249	,8159	,4554	+7,4380
1326	Aquilæ	8	3	57 57,18	2,851	+8,2295	—8,8158	+0,4550	+7,4486
1327	Lyræ	7	4	58 39,01	2,307	,2930	,8741	,3630	+7,9985
1328	———	7.8	1	58 45,95	2,063	,3315	,9121	,3145	+8,1195
1329	———	8	2	59 13,81	2,041	,3391	,9156	,3098	+8,1332
1330	Aquilæ	7.8	3	59 24,99	2,934	,2364	,8114	,4675	+7,2496
1331	Antinoi	8.9	3	59 30,54	3,195	+8,2371	—8,8111	+0,5045	—7,2252
1332	Sagittarii	8	3	59 31,89	3,737	,2870	,8605	,5725	—7,9495
1333	Lyræ	8.9	1	59 41,35	1,602	,4154	,9888	,2047	+8,2907
1334	Vulpeculæ	7.8	2	19 0 18,45	2,594	,2677	,8361	,4140	+7,8056
1335	Draconis	7.8	2	0 54,74	0,596	,5786	9,1435	9,7752	+8,5264
1336	Aquilæ	8	3	0 56,63	2,860	+8,2504	—8,8138	+0,4564	+7,4502
1337	Sagittarii	7.8	2	1 37,07	3,552	,2786	,8366	,5505	—7,8249
1338	Lyræ	8	3	2 39,54	2,030	,3651	,9163	,3075	+8,1631
1339	———	7	2	2 52,64	2,076	,3590	,9087	,3172	+8,1449
1340	———	7.8	3	3 2,54	2,316	,3227	,8710	,3647	+8,0256
1341	Aquilæ	8.9	2	3 3,30	2,892	+8,2630	—8,8112	+0,4612	+7,3956
1342	Sagittarii	8.9	2	3 26,43	3,553	,2910	,8359	,5506	—7,8390
1343	———	8	3	3 47,83	3,609	,2997	,8422	,5574	—7,8886
1344	———	8.9	3	4 50,41	3,489	,2930	,8284	,5427	—7,7869
1345	Vulpeculæ	8	2	4 51,44	2,429	,3189	,8543	,3854	+7,9679
1346	Lyræ	7.8		5	2,338	+8,3334	—8,8669	+0,3688	+8,0275
1347	Sagittarii	8	2	5 46,66	3,536	,3044	,8328	,5485	—7,8399
1348	Aquilæ	7	3	6 14,29	2,899	,2840	,8091	,4622	+7,3997
1349	Sagittarii	7.8	2	6 22,69	3,414	,2963	,8206	,5333	—7,7121
1350	Aquilæ	8	3	6 58,76	2,864	,2899	,8104	,4570	+7,4866

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
1306	5	—29 24 41,86	+3,933	—9,0128	—8,9838	+0,5947	+9,9915	217	+,014	— ,03
1307	3	+43 30 47,62	4,116	+9,9952	+9,1504	,6145	,9904	235	+,020	— ,04
1308	4	+20 9 26,11	4,127	+9,8716	+8,8512	,6157	,9906	234	+,025	— ,11
1309	6	+43 30 55,04	4,173	+9,9948	+9,1564	,6204	,9904	244	+,014	— ,09
1310	4	+ 2 15 55,08	4,196	+9,6749	+7,9180	,6228	,9903	241	+,020	— ,10
1311	3	+59 11 50,16	4,236	+0,0261	+9,2589	+0,6269	+9,9901	248	—,002	— ,09
1312	4	—28 15 56,44	4,332	—8,9031	—9,0102	,6367	,9896	246	+,018	+ ,06
1313	4	— 3 3 9,37	4,446	+9,5821	—8,0720	,6480	,9890	251	+,010	— ,01
1314	2	—23 27 0,43	4,486	+8,0000	—8,9497	,6519	,9888	253	+,017	+ ,02
1315	4	+14 54 35,95	4,503	+9,8261	+8,7622	,6535	,9887	259	+,021	— ,22
1316	4	+14 41 22,49	4,565	+9,8241	+8,7615	+0,6595	+9,9884	263	+,013	— ,20
1317	5	— 0 56 11,29	4,719	+9,6212	—7,5837	,6738	,9876	274	+,007	— ,20
1318	3	-- 0 56 31,08	4,724	+9,6212	—7,5919	,6743	,9876	275	+,006	— ,10
1319	4	—25 3 7,61	4,764	—8,2553	—9,0025	,6780	,9874	277	+,003	— ,17
1320	4	+46 43 43,82	4,753	+0,0017	+9,2372	,6769	,9874	285	+,002	— ,06
1321	4	— 1 1 47,46	4,826	+9,6201	—7,6307	+0,6836	+9,9870	284	+,010	— ,12
1322	4	+ 9 8 2,38	4,860	+9,7649	+8,5861	,6867	,9868	288	+,010	— ,10
1323	3	—27 31 57,53	4,877	—8,7993	—9,0508	,6882	,9867	286	+,010	— ,09
1324	3	+37 34 39,83	4,900	+9,9708	+9,1735	,6902	,9866	296	+,007	— ,12
1325	4	+ 9 24 1,60	4,979	+9,7679	+8,6082	,6971	,9862	297	+,018	— ,09
1326	3	+ 9 31 37,60	5,030	+9,7694	+8,6187	+0,7015	+9,9859	304	—,001	— ,16
1327	3	+30 29 26,68	5,086	+9,9370	+9,1099	,7064	,9855	309	+,008	— ,11
1328	3	+37 51 48,97	5,092	+9,9717	+9,1929	,7069	,9855	311	+,040	— ,12
1329	2	+38 29 51,92	5,137	+9,9740	+9,2029	,7107	,9852	317	+,005	— ,11
1330	2	+ 5 54 47,96	5,154	+9,7259	+8,4233	,7121	,9851	314	+,012	,00
1331	2	— 5 35 2,78	5,161	+9,5289	—8,3992	+0,7131	+9,9851	313	+,009	— ,15
1332	2	—27 22 0,78	5,171	—8,7708	—9,0740	,7135	,9850	310	+,011	+ ,02
1333	3	+48 37 19,14	5,171	+0,0052	+9,2869	,7135	,9850	319	+,004	— ,01
1334	4	+20 10 53,02	5,227	+9,8692	+8,9541	,7182	,9847	320	+,024	— ,25
1335	2	+62 27 45,16	5,266	+0,0241	+9,3673	,7215	,9845	6	+,008	+ ,06
1336	2	+ 9 6 42,21	5,283	+9,7642	+8,6208	+0,7229	+9,9844	322	—,001	— ,06
1337	4	—20 36 30,10	5,345	+8,8261	—8,9723	,7280	,9840	324	+,012	— ,11
1338	4	+38 53 49,52	5,424	+9,9740	+9,2303	,7343	,9835	11	—,008	— ,05
1339	2	+37 39 8,65	5,440	+9,9694	+9,2196	,7356	,9834	13	—,019	— ,18
1340	3	+30 18 18,49	5,458	+9,9345	+9,1373	,7370	,9833	14	+,006	— ,13
1341	4	+ 7 47 50,14	5,457	+9,7497	+8,5676	+0,7370	+9,9833	9	+,015	+ ,41
1342	4	—20 41 24,23	5,497	+8,8195	—8,9861	,7401	,9830	10	—,004	— ,11
1343	4	—22 50 4,56	5,525	+8,4150	—9,0292	,7423	,9828	12	+,007	+ ,02
1344	4	—18 10 22,11	5,609	+9,0531	—8,9407	,7489	,9823	18	+,006	+ ,02
1345	4	+26 28 13,44	5,609	+9,9117	+9,0959	,7489	,9823	23	+,009	— ,02
1346	4	+29 37 17,05	5,631	+9,9299	+9,1427	+0,7506	+9,9821	26		— ,12
1347	4	—20 3 50,20	5,693	+8,8976	—8,9888	,7553	,9817	25	+,013	— ,24
1348	3	+ 7 29 19,88	5,731	+9,7443	+8,5720	,7583	,9815	29	+,008	,00
1349	3	—15 7 1,02	5,743	+9,2279	—8,8730	,7591	,9814	28	+,001	— ,11
1350	3	+ 9 2 27,59	5,788	+9,7634	+8,6572	,7625	,9811	31	+,027	+ ,09

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1351	Sagittarii	8.9	3	19 7 30,31	+3,568	+8,3191	—8,8355	+0,5524	—7,8802
1352	Antinoi	9	2	7 42,02	3,134	,2896	,8051	,4961	—6,9986
1353	———	7	3	7 45,86	3,322	,2982	,8129	,5214	—7,5885
1354	Aquilæ	9.10	2	8 16,54	2,864	,2982	,8097	,4570	+7,4949
1355	———	7.8	3	8 34,36	2,927	,2970	,8067	,4664	+7,3385
1356	Antinoi	8	2	8 48,74	3,064	+8,2960	—8,8039	+0,4863	+5,8737
1357	Sagittarii	7.8	3	8 54,89	3,506	,3210	,8280	,5448	—7,8325
1358	Antinoi	8	2	9 5,07	3,333	,3072	,8129	,5228	—7,6154
1359	Aquilæ	10	1	9 13,43	2,864	,3039	,8091	,4570	+7,5014
1360	Sagittarii	7.8	2	9 35,87	4,101	,4109	,9131	,6129	—8,2101
1361	Antinoi	8	3	9 54,64	3,321	+8,3112	—8,8116	+0,5213	—7,6002
1362	Aquilæ	7	3	10 17,07	2,960	,3064	,8046	,4713	+7,2335
1363	Sagittarii	7.8	3	10 43,41	3,648	,3490	,8437	,5620	—7,9667
1364	Lyræ	7.8	3	12 2,20	2,344	,3761	,8630	,3700	+8,0706
1365	Aquilæ	7.8	3	12 12,85	2,969	,3175	,8032	,4726	+7,2106
1366	Aquilæ	8	3	12 25,03	3,009	+8,3178	—8,8022	+0,4784	+6,9828
1367	———	8.9	3	12 36,28	2,927	,3212	,8043	,4664	+7,3650
1368	Antinoi	7.8	2	12 38,13	3,101	,3190	,8017	,4915	—6,7272
1369	Sagittarii	8	2	13 0,34	3,513	,3464	,8265	,5457	—7,8659
1370	Antinoi	9.10	2	13 25,30	3,209	,3258	,8038	,5064	—7,3684
1371	Draconis	7.8	2	13 47,56	0,352	+8,6980	—9,1748	+9,5465	+8,6553
1372	Anseris	8	3	13 54,27	2,559	,3583	8,8333	0,4081	+7,9302
1373	Antinoi	8	2	13 57,78	3,066	,3261	8,8008	0,4866	+5,4888
1374	———	7	3	14 6,61	3,314	,3353	8,8087	0,5203	—7,6159
1375	Draconis	9	1	14 32,10	0,573	,6732	9,1449	9,7581	+8,6235
1376	Sagittarii	8	2	14 54,67	3,509	+8,3567	—8,8251	+0,5452	—7,8744
1377	Aquilæ	8	2	14 59,66	2,883	,3367	,8047	,4598	+7,4961
1378	Antinoi	8	3	15 25,15	3,283	,3405	,8060	,5163	—7,5641
1379	Sagittarii	7.8	3	16 5,62	3,402	,3531	,8141	,5317	—7,7613
1380	Aquilæ	8	2	16 35,76	3,034	,3411	,7992	,4820	+6,7638
1381	Antinoi	8.9	3	16 49,29	3,157	+8,3431	—8,8000	+0,4993	—7,1921
1382	———	8	3	17 6,15	3,121	,3442	,7991	,4943	—6,9631
1383	Anseris	7	3	17 33,99	2,618	,3720	,8244	,4180	+7,8983
1384	Cygni	7	2	18 12,65	2,148	,4420	,8909	,3320	+8,2128
1385	Aquilæ	8.9	3	18 51,30	3,119	,3534	,7979	,4940	—6,9632
1386	Cygni	7.8	2	19 9,43	2,489	+8,3963	—8,8392	+0,3960	+8,0182
1387	Anseris	7	2	19 18,18	2,621	,3810	,8231	,4185	+7,9063
1388	Sagittarii	8	2	19 59,08	3,566	,3911	,8285	,5522	—7,9581
1389	Cygni	7.8	3	20 3,56	2,161	,4503	,8881	,3346	+8,2181
1390	Aquilæ	6.7	3	20 6,83	3,010	,3601	,7971	,4786	+7,0196
1391	Cygni	7.8	3	20 14,44	1,576	+8,5510	—8,9880	+0,1976	+8,4348
1392	———	8	4	21 47,00	2,152	,4610	8,8887	,3328	+8,2323
1393	———	8	3	22 29,48	2,414	,4241	8,8475	,3827	+8,0899
1394	Draconis	7	3	22 48,47	1,091	,6448	9,0670	,0378	+8,5718
1395	Cygni	8		23	1,587	,5612	8,9854	,2006	+8,4473

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A.R.	Decn.
		° ′ ″	″						s.	″
1351	3	—21 21 19,05	+5,838	+8,7482	—9,0255	+0,7662	+9,9807	32	+,012	— ,04
1352	3	— 2 56 49,60	5,849	+9,5843	—8,1742	,7671	,9807	34	+,017	+ ,01
1353	3	—11 15 20,23	5,860	+9,3802	—8,7598	,7679	,9806	33	+,027	— ,05
1354	3	+ 9 2 40,16	5,899	+9,7627	+8,6655	,7708	,9803	40	+,008	— ,07
1355	2	+ 6 18 48,07	5,921	+9,7292	+8,5119	,7724	,9802	44	+,014	— ,03
1356	2	+ 0 12 40,90	5,944	+9,6415	+7,0498	+0,7741	+9,9800	46	+,003	— ,17
1357	3	—18 59 7,35	5,955	+9,0000	—8,9844	,7749	,9799	43	+,022	— ,01
1358	2	—11 44 5,51	5,972	+9,3636	—8,7824	,7761	,9798	47	+,001	— ,05
1359		+ 9 3	5,977	+9,7627	+8,6720	,7765	,9798	49	+,018	
1360	2	—39 2 22,03	6,016	—9,4216	—9,2765	,7793	,9795	48	+,001	— ,11
1361	3	—11 13 15,50	6,038	+9,3820	—8,7679	+0,7809	+9,9793	53	+,015	— ,01
1362	3	+ 4 50 17,52	6,066	+9,7101	+8,4080	,7829	,9791	58	+,019	— ,17
1363	3	—24 30 4,94	6,111	+5,8451	—9,1018	,7861	,9788	59	+,030	— ,26
1364	2	+29 39 41,07	6,211	+9,9289	+9,1857	,7931	,9781	78	—,002	— ,16
1365	3	+ 4 29 0,23	6,227	+9,7050	+8,3853	,7943	,9780	75	+,013	— ,28
1366	3	+ 2 38 17,51	6,244	+9,6785	+8,1584	+0,7954	+9,9778	76	+,007	— ,07
1367	3	+ 6 20 55,84	6,260	+9,7292	+8,5384	,7966	,9777	80	—,003	— ,08
1368	3	— 1 28 36,12	6,266	+9,6128	—7,9032	,7970	,9777	79	+,017	— ,09
1369	3	—19 19 36,08	6,299	+8,9777	—9,0168	,7993	,9774	82	+,020	+ ,04
1370	2	— 6 21 4,95	6,326	+9,5132	—8,5418	,8012	,9772	83	+,006	— ,26
1371	2	+64 58 48,48	6,343	+0,0183	+9,4575	+0,8023	+9,9771	98	+,015	— ,07
1372		+21 53	6,365	+9,8791	+9,0735	,8038	,9769	88	+,014	
1373	2	+ 0 4 28,05	6,373	+9,6385	+6,6649	,8043	,9769	87	+,012	— ,09
1374	3	—11 0 38,73	6,388	+9,3892	—8,7840	,8053	,9767	86	+,013	— ,10
1375	3	+63 5 52,99	6,409	+0,0174	+9,4551	,8068	,9766	101	+,019	— ,01
1376	3	—19 14 18,20	6,454	+8,9912	—9,0256	+0,8098	+9,9762	92	+,002	— ,01
1377	2	+ 8 17 56,74	6,459	+9,7528	+8,6676	,8102	,9762	95	+,004	— ,10
1378	1	— 9 38 58,28	6,492	+9,4314	—8,7340	,8124	,9759	97	+,018	— ,24
1379	3	—14 50 29,21	6,553	+9,2480	—8,9227	,8164	,9754	100	+,013	— ,13
1380	2	+ 1 31 14,14	6,591	+9,6618	+7,9397	,8190	,9751	106	+,014	+ ,06
1381	4	— 4 2 53,95	6,608	+9,5647	—8,3671	+0,8201	+9,9750	109	—,011	— ,16
1382	5	— 2 22 44,66	6,636	+9,5966	—8,1388	,8219	,9748	111	+,014	— ,11
1383	3	+19 37 18,66	6,669	+9,8609	+9,0484	,8240	,9745	116	+,014	— ,03
1384	4	+36 7 56,60	6,718	+9,9571	+9,2960	,8272	,9741	121	—,001	+ ,08
1385	3	— 2 20 39,06	6,778	+9,5977	—8,1389	,8311	,9736	122	+,013	— ,09
1386	3	+24 43 49,73	6,800	+9,8965	+9,1524	+0,8325	+9,9734	127	+,007	— ,14
1387	1	+19 34 11,94	6,811	+9,8603	+9,0565	,8332	,9733	128	+,002	— ,24
1388	2	—21 40 4,21	6,877	+8,7559	—9,1024	,8374	,9728	130	+,005	— ,01
1389	3	+35 51 45,21	6,872	+9,9552	+9,3029	,8371	,9728	134	+,019	— ,10
1390	2	+ 2 36 9,55	6,882	+9,6785	+8,1952	,8377	,9727	133	+,003	— ,09
1391	3	+49 55 10,35	6,882	+9,9992	+9,4196	+0,8377	+9,9727	140	+,012	— ,26
1392	4	+36 11 58,72	7,014	+9,9557	+9,3153	,8460	,9716	149	,000	,00
1393	3	+27 35 40,94	7,074	+9,9133	+9,2135	,8497	,9711	15[illegible]	+,007	— ,08
1394	4	+57 41 55,92	7,090	+0,0099	+9,4757	,8507	,9710	156	+,004	— ,03
1395	2	+49 48 40,10	7,063	+9,9978	+9,4301	,8490	,9712	154		— ,10

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1396	Sagittarii	8	2	19 24 1,95	+3,496	+8,4037	—8,8181	+0,5436	—7,9153
1397	ALBIREO *seq.*	7	5	24 8,80	2,415	,4321	8,8465	,3829	+8,0985
1398	Cygni	7.8	3	24 36,73	1,376	,6088	9,0205	,1386	+8,5147
1399	———	8	3	24 50,84	2,165	,4746	8,8848	,3355	+8,2428
1400	———	7.8	2	25 30,31	2,408	,4402	8,8466	,3817	+8,1108
1401	Anseris	8	2	25 52,61	2,599	+8,4172	—8,8214	+0,4148	+7,9649
1402	Antinoi	8	4	26 47,70	3,302	,4004	8,7995	,5188	—7,6698
1403	Aquilæ	8	3	26 52,84	2,982	,3941	8,7928	,4745	+7,2341
1404	Cygni	7.8	1	27 10,86	1,243	,6442	9,0418	,0945	+8,5618
1405	———	9		27	1,280	,6388	9,0357	,1072	+8,5535
1406	Aquilæ	7.8	3	27 36,81	3,073	+8,3965	—8,7912	+0,4874	—6,0064
1407	Antinoi	7.8	2	27 37,46	3,070	,3965	,7912	,4871	—5,6384
1408	———	8	3	27 38,36	3,136	,3975	,7918	,4964	—7,1375
1409	———	8	2	27 47,18	3,304	,4052	,7988	,5190	—7,6773
1410	Aquilæ	8	3	28 46,70	2,912	,4056	,7937	,4642	+7,5036
1411	Antinoi	8	1	28 51,22	3,086	+8,4025	—8,7903	+0,4894	—6,5738
1412	———	7.8	3	29 8,40	3,078	,4037	,7901	,4883	—6,3298
1413	———	8	3	29 46,99	3,086	,4065	,7896	,4894	—6,5778
1414	———	8	3	29 58,31	3,068	,4074	,7894	,4869	—4,8711
1415	Cygni	7	2	30 4,70	2,208	,4935	,8752	,3440	+8,2505
1416	Cygni	6	2	30 5,05	1,550	+8,6074	—8,9895	+0,1903	+8,4927
1417	Sagittarii	7.8	2	30 30,22	3,539	,4397	,8186	,5489	—7,9924
1418	———	9	2	30 30,85	3,608	,4483	,8272	,5573	—8,0525
1419	Aquilæ	8	2	30 39,02	2,937	,4128	,7913	,4679	+7,4368
1420	———	8	2	30 39,41	2,911	,4142	,7923	,4640	+7,5152
1421	Aquilæ	7.8	2	30 51,67	2,806	+8,4209	—8,7983	+0,4481	+7,7388
1422	Antinoi	9	1	30 53,80	3,107	,4118	8,7889	+0,4923	—6,9169
1423	———	8	2	31 12,05	3,248	,4180	8,7930	+0,5116	—7,5792
1424	Draconis	7.8	1	31 37,33	—0,170	,8633	9,2376	—9,2304	+8,8340
1425	Aquilæ	8	2	31 42,41	+2,907	,4189	8,7917	+0,4634	+7,5327
1426	Aquilæ	8	4	32 1,29	2,913	+8,4201	—8,7912	+0,4643	+7,5182
1427	Sagittarii	7.8	2	32 44,40	3,896	,5017	,8686	,5906	—8,2495
1428	———	8	3	32 50,89	2,680	,4409	,8078	,4281	+7,9198
1429	Sagittæ	9	1	33 38,64	2,678	,4446	,8073	,4278	+7,9255
1430	———	8	3	34 5,55	2,674	,4471	,8074	,4272	+7,9328
1431	Antinoi	8.9	2	34 9,09	3,307	+8,4342	—8,7942	+0,5194	—7,7167
1432	Cygni	7.8	3	34 18,09	2,331	,4934	,8531	,3675	+8,2057
1433	Antinoi	8	3	34 27,52	2,970	,4286	,7872	,4728	+7,3296
1434	Aquilæ	7.8	2	34 50,35	2,896	,4332	,7897	,4618	+7,5767
1435	Antinoi	8		35	3,318	,4416	,7937	,5209	—7,7437
1436	Sagittæ	8.9	2	35 18,86	2,670	+8,4528	—8,8069	+0,4265	+7,9432
1437	———	8.9	4	35 28,19	2,680	,4526	,8047	,4281	+7,9332
1438	Aquilæ	8.9	3	36 17,69	2,914	,4386	,7877	,4645	+7,5377
1439	———	8	2	36 25,08	2,809	,4454	,7937	,4485	+7,7632
1440	———			36 46,72	2,888	,4418	,7885	,4606	+7,6038

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s	″
1396	4	—18 57 33,53	+7,205	+9,0334	—9,0672	+0,8576	+9,9700	155	+,026	— ,11
1397	4	+27 37 32,23	7,205	+9,9127	+9,2220	,8576	,9700	162	+,012	— ,03
1398	4	+53 38 0,16	7,243	+0,0030	+9,4638	,8599	,9696	167	+,022	— ,02
1399	3	+35 53 16,07	7,264	+9,9533	+9,3274	,8612	,9694	164	+,010	+ ,02
1400	3	+27 55 18,17	7,319	+9,9133	+9,2331	,8644	,9689	169	+,009	— ,02
1401	3	+20 39 23,98	7,351	+9,8645	+9,1121	+0,8664	+9,9686	172	+,005	— ,08
1402	3	—10 43 10,79	7,427	+9,4048	—8,8383	,8708	,9679	177	+,012	— ,01
1403	3	+ 3 57 32,84	7,433	+9,6964	+8,4091	,8711	,9679	178	+,011	— ,15
1404	2	+55 47 25,36	7,449	+0,0052	+9,4877	,8721	,9677	189	+,013	— ,01
1405	1	+55 14 27,35	7,460	+0,0043	+9,4854	,8727	,9676	190		— ,24
1406	2	— 0 14 54,50	7,492	+9,6345	—7,1825	+0,8746	+9,9673	182	+,019	— ,39
1407	2	— 0 6 26,83	7,492	+9,6345	—6,8145	,8746	,9673	183	+,011	— ,18
1408	3	— 3 9 45,02	7,498	+9,5832	—8,3129	,8749	,9673	181	+,016	— ,12
1409	2	—10 47 20,89	7,508	+9,4031	—8,8456	,8755	,9672	185	—,010	— ,37
1410	2	+ 7 11 31,52	7,590	+9,7380	+8,6763	,8802	,9664	195	+,006	+ ,03
1411	4	— 0 51 9,96	7,595	+9,6243	—7,7498	+0,8805	+9,9663	194	+,005	— ,04
1412	3	— 0 29 32,64	7,616	+9,6304	—7,5059	,8817	,9661	198	+,003	— ,08
1413	3	— 0 51 11,69	7,665	+9,6232	—7,7538	,8845	,9657	200	+,015	— ,04
1414	3	— 0 1 17,05	7,681	+9,6375	—6,0472	,8854	,9655	202	+,015	— ,16
1415	1	+34 51 6,91	7,686	+9,9464	+9,3407	,8857	,9655	207	+,008	— ,12
1416	2	+50 53 16,12	7,681	+9,9961	+9,4732	+0,8854	+9,9655	211	+,017	— ,14
1417	2	—20 55 0,42	7,730	+8,8808	—9,1389	,8881	,9650	205	+,007	— ,15
1418	2	—23 41 57,00	7,730	+8,4150	—9,1903	,8881	,9650	204	+,003	+ ,02
1419		+ 6 3	7,735	+9,7234	+8,6105	,8884	,9650	208	+,016	
1420	1	+ 7 14 56,41	7,740	+9,7372	+8,6878	,8887	,9649	209	+,008	— ,01
1421	2	+11 59 31,18	7,751	+9,7896	+8,9053	+0,8894	+9,9648	212	+,020	— ,05
1422	1	— 1 50 9,34	7,756	+9,6074	—8,0927	,8897	,9648	210	+,014	— ,10
1423	2	— 8 20 25,29	7,789	+9,4698	—8,7506	,8915	,9644	213	+,012	— ,17
1424	2	+69 10 17,53	7,800	+0,0065	+9,5609	,8921	,9643	227	—,015	— ,09
1425	2	+ 7 28 21,95	7,821	+9,7404	+8,7050	,8932	,9641	216	+,011	— ,01
1426	3	+ 7 11 44,72	7,848	+9,7372	+8,6908	+0,8947	+9,9639	217	+,008	— ,05
1427	3	—34 1 28,60	7,912	—9,1875	—9,3441	,8983	,9632	218	+,017	— ,06
1428	2	+17 31 29,96	7,912	+9,8395	+9,0752	,8983	,9632	225	+,010	— ,17
1429	3	+17 37 4,56	7,976	+9,8395	+9,0808	,9018	,9626	228	+,004	— ,07
1430	3	+17 48 56,65	8,013	+9,8414	+9,0875	,9038	,9622	234	+,011	— ,20
1431	4	—11 3 14,51	8,019	+9,3979	—8,8847	+0,9041	+9,9621	231	+,025	— ,19
1432	3	+31 1 48,76	8,024	+9,9268	+9,3147	,9044	,9621	239	+,013	+ ,03
1433	2	+ 4 34 21,08	8,037	+9,7041	+8,5043	,9051	,9619	235	+,016	— ,09
1434	4	+ 7 59 55,34	8,072	+9,7458	+8,7486	,9070	,9616	241	+,009	— ,09
1435	3	—11 34 44,47	8,141	+9,2838	—8,9109	,9107	,9608	245		— ,03
1436	3	+18 0 16,91	8,110	+9,8426	+9,0974	+0,9090	+9,9612	246	+,017	— ,05
1437	2	+17 35 10,47	8,126	+9,8395	+9,0884	,9099	,9610	247	+,004	— ,05
1438	2	+ 7 12 3,26	8,190	+9,7372	+8,7103	,9133	,9603	248	+,007	— ,03
1439	3	+11 59 14,10	8,200	+9,7882	+8,9297	,9138	,9602	250	+,004	+ ,06
1440	3	+ 8 20 20,71	8,227	+9,7490	+8,7753	,9152	,9599	252	+,019	— ,10

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s*				
1441	Aquilæ	7	2	19 36 54,91	+2,842	+8,4451	—8,7911	+0,4536	+7,7071
1442	16 *c* Cygni *seq.*	7	2	37 29,96	1,610	,6333	,9766	,2068	+8,5185
1443	———	7	3	37 58,97	2,121	,5450	,8859	,3265	+8,3337
1444	Aquilæ	7.8	3	38 46,42	2,852	,4524	,7889	,4551	+7,6948
1445	Sagittæ	9	2	38 47,59	2,682	,4662	,8030	,4285	+7,9477
1446	Sagittarii	7.8	3	39 18,66	4,169	+8,5786	—8,9122	+0,6200	—8,4062
1447	Cygni *seq.*	7.8	3	39 39,68	2,198	,5392	8,8718	,3402	+8,3052
1448	Aquilæ	7	3	39 41,25	2,953	,4512	8,7852	,4703	+7,4235
1449	Sagittæ	7.8	2	39 43,70	2,654	,4731	8,8071	,4239	+7,9809
1450	Cygni	7.8	2	40 18,48	1,229	,7110	9,0407	,0895	+8,6329
1451	Sagittæ	7.8	2	41 22,54	2,633	+8,4825	—8,8063	+0,4204	+8,0128
1452	Antinoi	7.8	3	41 28,57	3,014	,4570	8,7801	,4791	+7,1053
1453	Cygni	7.8	3	41 25,05	1,313	,7023	9,0264	,1183	+8,6181
1454	Sagittarii	7.8	2	42 2,82	3,498	,4849	8,8051	,5438	—8,0109
1455	Cygni	7.8	3	43 25,96	2,291	,5398	8,8538	,3600	+8,2745
1456	Vulpeculæ	7	2	43 39,45	2,639	+8,4910	—8,8038	+0,4214	+8,0173
1457	Aquilæ	8	3	44 26,58	2,858	,4749	,7838	,4561	+7,7124
1458	Sagittæ	8	2	44 37,15	2,692	,4893	,7972	,4301	+7,9658
1459	———	7.8	2	45 20,55	2,671	,4943	,7988	,4267	+7,9920
1460	———	7.8	5	45 35,04	2,693	,4928	,7963	,4302	+7,9685
1461	57 Aquilæ *seq.*	7	3	45 45,23	3,250	+8,4784	—8,7808	+0,5119	—7,6556
1462	———	8	1	45 57,43	2,831	,4823	,7839	,4519	+7,7706
1463	Vulpeculæ *seq.*	7	2	46 11,21	2,635	,5017	,8021	,4208	+8,0340
1464	Aquilæ	7.8	3	47 27,94	2,825	,4884	,7830	,4510	+7,7901
1465	Vulpeculæ	7	2	47 33,58	2,540	,5189	,8130	,4048	+8,1265
1466	Sagittæ	8.9	3	48 39,80	2,694	+8,5044	—8,7935	+0,4304	+7,9818
1467	———	8	3	50 5,39	2,652	,5146	,7969	,4236	+8,0352
1468	Aquilæ	8	2	50 10,02	2,838	,4978	,7795	,4530	+7,7777
1469	———	8.9	4	50 10,56	2,834	,4981	,7797	,4524	+7,7851
1470	Sagittæ	8	3	50 18,74	2,713	,5090	,7901	,4334	+7,9678
1471	Aquilæ	7.8	3	50 34,69	2,913	+8,4949	—8,7748	+0,4643	+7,6097
1472	Sagittarii	9	3	50 45,09	3,529	,5226	,8015	,5476	—8,0825
1473	Aquilæ	8	3	50 51,55	2,940	,4947	,7733	,4683	+7,5258
1474	Sagittarii	8	3	51 3,61	3,571	,5293	,8067	,5528	—8,1224
1475	Aquilæ	9	3	51 5,91	2,835	,5014	,7793	,4525	+7,7871
1476	Aquilæ	8	2	52 13,29	2,926	+8,5000	—8,7725	+0,4663	+7,5766
1477	———	8	3	52 52,88	2,912	,5031	,7725	,4642	+7,6216
1478	———	8.9	3	52 55,74	2,924	,5027	,7719	,4660	+7,5866
1479	Sagittarii	7.8	3	53 8,40	3,997	,6057	,8737	,6017	—8,3980
1480	Vulpeculæ	8	1	53 14,95	2,593	,5333	,8012	,4138	+8,1069
1481	Sagittarii	8	3	53 45,74	3,465	+8,5261	—8,7913	+0,5397	—8,0317
1482	Antinoi	8	3	55 2,28	3,075	,5067	,7666	,4878	—6,3129
1483	Capricorni	8	3	56 1,71	3,421	,5296	,7844	,5341	—7,9910
1484	———	8	3	56 26,54	3,400	,5286	,7819	,5315	—7,9654
1485	Sagittæ	6.7	3	56 32,78	2,718	,5307	,7836	,4342	+7,9887

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
1441	3	+10 31 22,87	+ 8,237	+9,7738	+8,8758	+0,9158	+9,9598	253	—,005	+ ,13
1442		+50 8	8,280	+9,9899	+9,5013	,9180	,9594	262	+,003	
1443	4	+37 55 57,69	8,317	+9,9547	+9,4067	,9200	,9590	263	+,005	— ,04
1444	3	+10 3 49,03	8,386	+9,7671	+8,8641	,9236	,9582	268	+,004	— ,22
1445	2	+17 37 48,45	8,386	+9,8376	+9,1029	,9236	,9582	270	+,017	— ,08
1446	3	—42 15 44,75	8,434	—9,4609	—9,4517	+0,9260	+9,9577	266	—,003	+ ,01
1447	2	+35 41 33,04	8,449	+9,9455	+9,3909	,9268	,9575	277	+,008	— ,13
1448	3	+ 5 22 55,40	8,460	+9,7143	+8,5977	,9274	,9594	272	,000	— ,14
1449	3	+18 47 0,37	8,460	+9,8482	+9,1332	,9274	,9594	274	+,039	— ,04
1450	3	+56 38 55,38	8,497	+9,9978	+9,5492	,9293	,9570	284	+,024	— ,03
1451	3	+19 48 36,97	8,592	+9,8537	+9,1623	+0,9341	+9,9559	287	+,023	— ,17
1452	3	+ 2 32 53,05	8,602	+9,6758	+8,2809	,9346	,9558	285	+,007	,00
1453	2	+55 26 56,96	8,587	+9,9956	+9,5477	,9338	,9560	292	+,025	— ,15
1454	4	—19 37 21,44	8,650	+9,0253	—9,1610	,9370	,9552	288	+,006	— ,13
1455	2	+32 52 1,52	8,750	+9,9304	+9,3748	,9420	,9541	300	+,036	— ,16
1456	3	+19 37 34,43	8,771	+9,8519	+9,1674	+0,9430	+9,9538	301	+,020	— ,11
1457	4	+ 9 56 5,37	8,839	+9,7649	+8,8819	,9464	,9530	307	—,004	— ,19
1458	1	+17 25 32,54	8,850	+9,8344	+9,1215	,9469	,9529	308	+,018	— ,10
1459	3	+18 19 23,30	8,907	+9,8414	+9,1454	,9497	,9522	312	+,015	+ ,02
1460	7	+17 23 50,95	8,922	+9,8338	+9,1242	,9505	,9520	315	+,019	+ ,02
1461	2	— 8 39 25,63	8,943	+9,4683	—8,8268	+0,9515	+9,9520	314	—,013	— ,04
1462	3	+11 11 19,15	8,954	+9,7781	+8,9384	,9520	,9517	317	+,017	— ,03
1463	2	+19 54 16,05	8,975	+9,8531	+9,1833	,9530	,9514	321	—,001	— ,17
1464	4	+11 31 58,47	9,073	+9,7810	+8,9573	,9578	,9502	326	+,005	— ,10
1465	4	+23 53 40,00	9,082	+9,8797	+9,2637	,9580	,9501	327	+,012	— ,03
1466	4	+17 27 26,66	9,162	+9,8331	+9,1373	+0,9620	+9,9491	335	+,015	— ,06
1467	3	+19 21 47,35	9,276	+9,8470	+9,1860	,9673	,9477	338	+,004	— ,08
1468	4	+10 58 45,28	9,286	+9,7745	+8,9458	,9678	,9475	336	+,002	+ ,02
1469	5	+11 9 22,42	9,286	+9,7767	+8,9529	,9678	,9475	337	+,005	+ ,13
1470	3	+16 42 40,76	9,296	+9,8267	+9,1252	,9693	,9474	341	+,010	— ,04
1471	3	+ 7 28 56,96	9,317	+9,7364	+8,7820	+0,9693	+9,9471	345	+,012	+ ,01
1472	3	—21 17 50,78	9,333	+8,9191	—9,2279	,9700	,9469	339	+,006	+ ,04
1473	3	+ 6 9 10,88	9,338	+9,7210	+8,6994	,9702	,9469	348	+,006	— ,05
1474	3	—23 4 41,18	9,358	+8,7243	—9,2623	,9712	,9466	346	+,006	— ,03
1475	2	+11 7 34,62	9,358	+9,7760	+8,9550	,9712	,9471	350	+,005	+ ,07
1476	3	+ 6 50 41,90	9,441	+9,7292	+8,7496	+0,9750	+9,9155	357	+,010	+ ,01
1477	4	+ 7 32 9,75	9,492	+9,7372	+8,7940	,9774	,9448	363	+,005	— ,04
1478	3	+ 6 57 58,95	9,497	+9,7308	+8,7594	,9776	,9448	364	+,011	+ ,02
1479	2	—38 18 36,97	9,518	—9,3096	—9,4688	,9785	,9445	359	—,009	— ,38
1480	4	+21 59 44,22	9,518	+9,8645	+9,2501	,9785	,9445	368	+,002	+ ,07
1481	4	—18 41 33,91	9,564	+9,1139	—9,1843	+0,9806	+9,9439	367	+,005	+ ,07
1482	4	— 0 21 51,99	9,656	+9,6314	—7,4890	,9848	,9427	376	+,018	— ,13
1483	4	—16 49 53,26	9,743	+9,2095	—9,1481	,9887	,9415	381	+,010	— ,07
1484	5	—15 53 0,90	9,768	+9,2504	—9,1246	,9898	,9411	387	+,006	— ,04
1485	2	+16 39 48,37	9,773	+9,8241	+9,1461	,9900	,9410	392	+,011	— ,20

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1486	Antinoi	9	2	19 56 33,87	+3,212	+8,5153	—8,7682	+0,5068	—7,6032
1487	Sagittarii	7.8	3	56 42,11	3,491	,5393	,7916	,5429	—8,0719
1488	Sagittæ	7	2	56 50,03	2,705	,5329	,7847	,4322	+8,0058
1489	Sagittarii	8	3	56 55,35	3,542	,5463	,7978	,5492	—8,1221
1490	Capricorni	8	2	57 37,78	3,345	,5278	,7757	,5244	—7,8922
1491	Capricorni	7.8	2	57 44,10	3,334	+8,5271	—8,7748	+0,5230	—7,8759
1492	Antinoi	8	2	58 1,66	3,260	,5230	,7691	,5132	—7,7345
1493	Vulpeculæ	7.8	1	58 6,43	2,570	,5538	,7999	,4099	+8,1492
1494	Antinoi	8	2	58 40,46	3,095	,5193	,7628	,4907	—6,8860
1495	Sagittæ	7.8	2	59 22,42	2,727	,5394	,7800	,4357	+7,9906
1496	Antinoi	8	3	59 27,08	3,028	+8,5218	—8,7621	+0,4812	+7,0573
1497	Vulpeculæ	8	2	20 0 1,52	2,633	,5523	,7900	,4204	+8,0993
1498	Sagittæ	8	3	0 1,77	2,724	,5417	,7797	,4352	+7,9963
1499	———	7.8	3	1 4,91	2,654	,5533	,7864	,4239	+8,0821
1500	Vulpeculæ	8.9	3	1 28,43	2,622	,5584	,7900	,4186	+8,1157
1501	Aquilæ	7	2	1 39,96	2,728	+8,5468	—8,7776	+0,4358	+7,9985
1502	Antinoi	8.9	3	1 45,32	3,202	,5321	,7622	,5054	—7,5947
1503	Vulpeculæ	7	2	1 50,65	2,511	,5750	,8049	,3998	+8,2140
1504	Antinoi	7	2	2 16,26	3,256	,5366	,7645	,5127	—7,7451
1505	———	7	2	3 21,54	3,200	,5341	,7614	,5051	—7,5913
1506	Sagittæ	7		2	2,638	+8,5607	—8,7868	+0,4213	+8,1057
1507	Antinoi	8	3	2 51,22	3,201	,5357	8,7609	0,5053	—7,5972
1508	——— *seq.*	7	2	2 53,68	3,079	,5328	8,7580	0,4884	—6,5406
1509	Aquilæ	7.8	2	3 5,79	2,950	,5357	8,7601	0,4698	+7,5465
1510	Draconis	7.8		3	0,794	,8803	9,1041	9,8998	+8,8311
1511	Aquilæ	8	3	3 22,14	2,957	+8,5363	—8,7596	+0,4708	+7,5257
1512	Antinoi	8	3	3 25,17	3,074	,5345	,7574	,4877	—6,2287
1513	Aquilæ	7	2	3 39,99	2,746	,5516	,7737	,4387	+7,9835
1514	Capricorni	7.8	3	3 44,69	3,297	,5440	,7655	,5181	—7,8362
1515	Vulpeculæ	8	2	4 5,30	2,631	,5659	,7863	,4201	+8,1179
1516	Aquilæ	8	3	4 47,67	2,746	+8,5553	—8,7725	+0,4387	+7,9885
1517	Vulpeculæ	7.8		5	2,505	,5868	,8029	,3988	+8,2328
1518	Aquilæ	8	2	5 15,47	2,971	,5417	,7569	,4729	+7,4673
1519	———	8	2	5 20,03	2,749	,5567	,7717	,4392	+7,9867
1520	Capricorni	7.8	2	5 48,65	3,313	,5518	,7645	,5202	—7,8738
1521	Antinoi	8	3	5 55,64	3,075	+8,5424	—8,7545	+0,4878	—6,3072
1522	Aquilæ *pr.*	7.8	2	6 7,26	2,946	,5455	,7568	,4692	+7,5719
1523	——— *seq.*	7.8	2	6 7,91	2,946	,5455	,7568	,4692	+7,5731
1524	———	7	3	6 39,53	3,010	,5452	,7542	,4786	+7,2518
1525	Capricorni	7	1	6 44,12	3,411	,5638	,7725	,5329	—8,0243
1526	Antinoi	8.9	2	7 10,23	3,128	+8,5467	—8,7537	+0,4953	—7,2727
1527	Aquilæ	7.8	2	7 16,69	3,022	,5469	,7533	,4803	+7,1597
1528	Cygni	8	2	7 56,36	2,241	,6408	,8450	,3504	+8,4112
1529	———	7	3	8 29,28	1,887	,7100	,9117	,2758	+8,5686
1530	———	7.8	1	8 31,77	2,239	,6436	,8450	,3500	+8,4154

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A. R.	Decn.
		° ′ ″	″						s.	″
1486	3	— 7 2 40,21	+9,773	+9,5105	—8,7760	+0,9900	+9,9410	389	+,019	— ,07
1487	4	—19 57 8,28	9,783	+9,0414	—9,2212	,9905	,9409	388	+,001	— ,15
1488	3	+17 16 38,05	9,793	+9,8280	+9,1619	,9909	,9408	394	+,012	— ,01
1489	3	—22 8 6,82	9,799	+8,8692	—9,2650	,9912	,9407	390	+,001	— ,17
1490	3	—13 23 24,84	9,860	+9,3424	—9,0564	,9939	,9398	396	+,007	— ,08
1491	3	—12 54 11,62	9,865	+9,3598	—9,0409	+0,9941	+9,9398	398	+,011	+ ,03
1492	3	— 9 22 44,50	9,890	+9,4579	—8,9048	,9952	,9394	399	+,017	— ,06
1493	3	+23 12 19,64	9,890	+9,8704	+9,2887	,9952	,9394	401	+,005	+ ,04
1494	3	— 1 20 14,72	9,936	+9,6170	—8,0620	,9972	,9388	403	+,031	— ,15
1495	4	+16 24 9,01	9,986	+9,8202	+9,1486	,9994	,9380	409	+,019	— ,06
1496	3	+ 1 58 29,30	9,991	+9,6665	+8,2332	+0,9996	+9,9380	407	+,018	+ 05
1497	1	+20 38 4,46	10,037	+9,8519	+9,2466	1,0016	,9373	415	+,013	— ,06
1498	3	+16 33 8,61	10,032	+9,8214	+9,1540	1,0014	,9374	413	+,009	+ ,05
1499	3	+19 44 46,00	10,117	+9,8451	+9,2319	1,0051	,9361	422	+,011	— ,17
1500	2	+21 8 55,77	10,142	+9,8555	+9,2615	1,0061	,9358	424	+,018	+ ,07
1501	3	+16 26 6,73	10,158	+9,8195	+9,1564	+1,0068	+9,9355	2	—,005	— ,03
1502	4	— 6 38 25,26	10,167	+9,5211	—8,7679	,0072	,9354	423	+,017	— ,05
1503	2	+25 48 2,91	10,172	+9,8842	+9,3444	,0074	,9353	5	+,007	+ ,01
1504	3	— 9 19 19,19	10,208	+9,4609	—8,9154	,0089	,9348	4	+,009	— ,08
1505	2	— 6 34 2,75	10,218	+9,5224	—8,7646	,0094	,9346	6	+,006	— ,10
1506	2	+20 31 28,55	10,238	+9,8500	+9,2533	+1,0102	+9,9343	15		— ,09
1507	1	— 6 37 49,28	10,253	+9,5211	—8,7704	,0108	,9341	8	+,017	— ,03
1508	2	— 0 36 25,61	10,253	+9,6284	—7,7167	,0108	,9341	12	+,017	— ,19
1509	3	+ 5 52 3,10	10,268	+9,7160	+8,7203	,0115	,9339	17	+,016	— ,03
1510		+63 13	10,278	+9,9827	+9,6607	,0119	,9337	30		
1511	2	+ 5 35 26,16	10,288	+9,7126	+8,6997	+1,0123	+9,9336	19	+,014	— ,15
1512	3	— 0 18 14,75	10,293	+9,6335	—7,4047	,0125	,9335	18	+,016	— ,14
1513	1	+15 41 16,21	10,308	+9,8129	+9,1437	,0132	,9333	23	+,016	+ ,16
1514	2	—11 19 28,90	10,318	+9,4116	—9,0038	,0136	,9331	20	+,011	— ,08
1515	1	+20 52 10,14	10,338	+9,8513	+9,2645	,0144	,9328	27	+,015	+ ,01
1516	3	+15 43 54,14	10,393	+9,8129	+9,1480	+1,0167	+9,9320	32	+,020	— ,04
1517	2	+26 15 33,25	10,413	+9,8848	+9,3616	,0176	,9317	36		+ ,03
1518	3	+ 4 49 13,70	10,428	+9,7024	+8,6418	,0182	,9315	35	+,015	— ,18
1519		+15 36	10,434	+9,8116	+9,1465	,0184	,9314	38	+,022	
1520	3	—12 7 41,41	10,472	+9,3892	—9,0401	,0200	,9308	39	+,014	— ,12
1521	3	— 0 20 52,45	10,482	+9,6325	—7,4832	+1,0205	+9,9306	41	+,017	— ,10
1522	2	+ 6 5 21,58	10,498	+9,7177	+8,7455	,0211	,9304	43	—,010	— ,03
1523	3	+ 6 6 3,66	10,498	+9,7177	+8,7467	,0211	,9304	44	—,013	— ,08
1524	3	+ 2 54 46,56	10,537	+9,6776	+8,4273	,0227	,9297	46	+,005	— ,12
1525	2	—16 47 18,82	10,543	+9,2279	—9,1815	,0229	,9297	45	+,016	— ,12
1526	3	— 3 3 33,77	10,572	+9,5888	—8,4481	+1,0241	+9,9292	50	—,006	+ ,03
1527	3	+ 2 21 6,39	10,682	+9,6712	+8,3354	,0246	,9290	51	+,012	,00
1528	1	+36 6 40,82	10,621	+9,9299	+9,4946	,0262	,9284	55	+,016	— ,02
1529	4	+46 13 4,67	10,666	+9,9595	+9,5846	,0280	,9277	63	+,014	,00
1530	4	+36 15 24,12	10,671	+9,9299	+9,4980	,0282	,9276	61	+,005	+ ,06

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1531	Aquilæ	7.8	3	20 9 37,15	+2,758	+8,5694	—8,7660	+0,4406	+7,9931
1532	Capricorni	7.8	3	9 51,11	3,365	,5689	8,7645	,5270	—7,9758
1533	Vulpeculæ	7.8	3	9 56,45	2,634	,5846	8,7799	,4206	+8,1406
1534	Draconis	6.7	2	10 26,47	1,107	,8587	9,0523	,0441	+8,7969
1535	Capricorni	8.9	3	10 41,70	3,364	,5715	8,7634	,5269	—7,9778
1536	Capricorni	8	2	11 36,27	3,450	+8,5835	—8,7715	+0,5378	—8,0921
1537	Vulpeculæ	7.8	2	11 40,34	2,605	,5939	,7819	,4158	+8,1758
1538	Antinoi	7.8	4	11 41,96	3,203	,5629	,7507	,5056	—7,6395
1539	Vulpeculæ	7.8	2	12 19,85	2,605	,5963	,7811	,4158	+8,1792
1540	Antinoi	7.8	3	12 23,88	3,202	,5649	,7499	,5054	—7,6414
1541	Capricorni	7.8	3	12 28,83	3,530	+8,5962	—8,7809	+0,5478	—8,1781
1542	———	8	2	13 5,80	3,395	,5818	8,7637	,5308	—8,0308
1543	Antinoi	8.9	2	13 8,59	3,206	,5672	8,7492	,5060	—7,6572
1544	Cephei	8	2	13 14,18	1,387	,8208	9,0031	,1421	+8,7415
1545	Capricorni	8	3	13 31,50	3,323	,5761	8,7564	,5215	—7,9249
1546	Capricorni	8	2	13 42,14	3,251	+8,5712	—8,7510	+0,5120	—7,7812
1547	———	8	2	13 43,51	3,448	,5895	,7690	,5376	—8,0989
1548	Vulpeculæ	8	2	13 47,89	2,640	,5955	,7750	,4216	+8,1502
1549	Capricorni	8	1	13 56,27	3,393	,5840	,7626	,5306	—8,0317
1550	Antinoi	9	4	14 16,94	3,188	,5696	,7469	,5035	—7,6007
1551	Vulpeculæ	9	2	14 36,55	2,644	+8,5974	—8,7736	+9,4223	+8,1498
1552	Capricorni	8	1	14 36,94	3,562	,6073	,7832	0,5517	—8,2163
1553	Delphini	8	2	15 34,57	2,876	,5772	,7493	0,4588	+7,8103
1554	Vulpeculæ	8	3	15 36,21	2,585	,6085	,7806	0,4125	+8,2104
1555	———	7.8	2	16 7,12	2,586	,6099	,7798	9,4126	+8,2112
1556	Antinoi	8	3	16 12,01	3,108	+8,5727	—8,7423	+0,4925	—7,1262
1557	———	7	3	16 16,04	3,057	,5726	,7420	,4853	+6,5548
1558	Vulpeculæ	7	2	16 18,82	2,595	,6092	,7783	,4141	+8,2038
1559	Antinoi	7.8	2	16 21,21	3,052	,5730	,7418	,4846	+6,7443
1560	Delphini	9	1	16 23,93	2,859	,5808	,7493	,4562	+7,8502
1561	Antinoi	9	1	16 35,61	3,144	+8,5747	—8,7425	+0,4975	—7,4110
1562	Capricorni	7.8	1	16 55,11	3,463	,6007	,7671	,5394	—8,1278
1563	———	7.8	1	17 7,98	3,351	,5890	,7546	,5251	—7,9837
1564	Vulpeculæ	7.8	3	17 21,68	2,582	,6140	,7791	,4120	+8,2194
1565	Antinoi	7.8	3	17 25,08	3,152	,5772	,7417	,4986	—7,4605
1566	Antinoi	8.9	4	17 27,00	3,144	+8,5771	—8,7414	+0,4972	—7,4153
1567	Capricorni	7.8	1	17 34,91	3,470	,6037	,7674	,5403	—8,1391
1568	Antinoi	7	1	17 59,46	3,022	,5780	,7400	,4803	+7,2059
1569	Vulpeculæ	8	2	18 7,37	2,603	,6135	,7753	,4155	+8,2042
1570	Antinoi	7	2	18 21,97	3,041	,5788	,7392	,4830	+6,9668
1571	Draconis	7	1	18 51,55	1,921	+8,9213	—9,0804	+0,2835	+8,8709
1572	Vulpeculæ	8	1	18 51,68	2,600	,6160	8,7748	,4150	+8,2094
1573	Antinoi	8	2	18 54,99	3,143	,5812	8,7394	,4973	—7,4156
1574	———	8	2	18 56,28	3,119	,5806	8,7389	,4940	—7,2428
1575	———	7.8	3	18 57,95	3,118	,5808	8,7388	,4939	—7,2403

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A.R.	Decn.
		° ′ ″	″							
1531	3	+15 22 14,68	+10,754	+9,8075	+9,1533	+1,0316	+9,9263	68	+,004	— ,12
1532	3	—14 47 51,73	10,774	+9,3117	—9,1372	,0324	,9259	66	+,011	— ,14
1533	3	+21 3 55,83	10,779	+9,8500	+9,2866	,0326	,9259	72	+,013	+ ,07
1534	3	+60 8 22,08	10,808	+9,9759	+9,6700	,0338	,9254	82	+,030	— ,11
1535	3	—14 47 0,13	10,838	+9,3139	—9,1393	,0349	,9249	73	+,002	— ,13
1536	2	—18 50 3,30	10,907	+9,1461	—9,2443	+1,0377	+9,9237	80	+,011	— ,04
1537	2	+22 25 56,79	10,907	+9,8579	+9,3176	,0377	,9237	86	—,007	+ ,06
1538	3	— 6 52 5,93	10,912	+9,5198	—8,8124	,0379	,9237	84	+,003	— ,15
1539	3	+22 29 14,82	10,965	+9,8579	+9,3209	,0400	,9228	91	+,007	+ ,04
1540	3	— 6 51 51,27	10,960	+9,5198	—8,8144	,0398	,9228	90	+,010	— ,14
1541	3	—22 28 15,35	10,965	+8,9085	—9,3200	+1,0400	+9,9228	88	+,020	— ,05
1542	2	—16 20 36,61	11,014	+9,2577	—9,1890	,0419	,9219	94	+,013	+ ,23
1543	2	— 7 4 52,56	11,014	+9,5159	—8,8300	,0419	,9219	95	+,003	— ,06
1544	3	+56 23 58,48	11,013	+9,9713	+9,6605	,0417	,9220	104	+,010	— ,32
1545	3	—12 53 54,47	11,043	+9,3747	—9,0899	,0431	,9214	96	,000	+ ,07
1546	1	— 9 20 33,83	11,052	+9,4669	—8,9515	+1,0435	+9,9213	98	+,021	— ,04
1547	3	—18 51 31,47	11,058	+9,1523	—9,2510	,0437	,9212	97	+,017	,00
1548	2	+21 0 14,47	11,058	+9,8476	+9,2964	,0437	,9212	101	+,018	+ ,02
1549	2	—16 18 30,26	11,073	+9,2601	—9,1900	,0442	,9209	100	+,010	— ,09
1550	1	— 6 11 41,60	11,098	+9,5327	—8,7743	,0452	,9205	103	+,015	— ,02
1551	2	+20 53 4,46	11,116	+9,8463	+9,2963	+1,0459	+9,9202	106	+,012	— ,07
1552	2	—23 59 48,90	11,121	+8,7634	—9,3532	,0461	,9201	105	+,027	— ,04
1553	3	+ 9 50 21,98	11,189	+9,7559	+8,9800	,0488	,9189	110	+,007	— ,16
1554	2	+23 33 28,95	11,189	+9,8633	+9,3487	,0488	,9189	113	+,002	— ,04
1555	2	+23 30 54,03	11,227	+9,8627	+9,3496	,0503	,9182	118	+,001	— ,04
1556	2	— 2 4 1,57	11,233	+9,6064	—8,3020	+1,0505	+9,9181	115	+,015	— ,08
1557	2	+ 0 32 32,57	11,237	+9,6454	+7,7309	,0506	,9181	116	+,014	— ,16
1558	1	+23 8 48,33	11,242	+9,8597	+9,3434	,0508	,9180	122	+,010	— ,08
1559	2	+ 0 50 38,75	11,247	+9,6493	+7,9203	,0510	,9179	117	+,005	— ,06
1560	2	+10 41 54,31	11,252	+9,7634	+9,0186	,0512	,9178	120	+,013	— ,23
1561	2	— 3 56 57,96	11,266	+9,5752	—8,5861	+1,0518	+9,9175	121	+,005	— ,14
1562	2	—19 40 54,15	11,291	+9,1173	—9,2778	,0527	,9171	123	—,001	— ,07
1563	1	—14 23 33,61	11,304	+9,3324	—9,1459	,0532	,9169	125	+,008	— ,09
1564	2	+23 45 3,22	11,314	+9,8633	+9,3570	,0536	,9167	130	+,014	+ ,01
1565	1	— 4 23 39,02	11,323	+9,5682	—8,6353	,0540	,9165	128	—,022	— ,06
1566	2	— 3 58 24,96	11,328	+9,5752	—8,5903	+1,0542	+9,9164	129	+,015	— ,11
1567	2	—20 4 41,66	11,338	+9,0969	—9,2880	,0545	,9162	127	+,012	— ,17
1568	2	+ 2 25 37,32	11,368	+9,6702	+8,3816	,0556	,9157	134	+,006	— ,03
1569	2	+22 54 56,65	11,372	+9,8579	+9,3445	,0558	,9156	137	+,011	— ,07
1570	3	+ 1 23 7,57	11,397	+9,6571	+8,1427	,0567	,9152	136	+,011	— ,01
1571		+62 54	11,420	+9,9685	+9,7052	+1,0577	+9,9148	150	,000	
1572	2	+23 4 13,79	11,424	+9,8579	+9,3492	,0578	,9147	141	+,004	— ,05
1573	3	— 3 55 44,97	11,434	+9,5753	—8,5907	,0582	,9145	138	+,019	— ,06
1574	2	— 2 39 0,84	11,434	+9,5966	—8,4185	,0582	,9145	139	—,010	— ,16
1575	3	— 2 38 0,18	11,438	+9,5977	—8,4159	,0584	,9144	140	+,012	— ,06

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1576	Delphini	8.9	1	20 19 16,06	+2,858	+8,5889	—8,7458	+0,4561	+7,8629
1577	Antinoi	8	3	19 58,88	3,163	,5847	,7386	,5001	—7,5221
1578	———	7.8	2	20 0,71	3,022	,5834	,7374	,4803	+7,2054
1579	Aquilæ	7.8	2	20 8,79	2,916	,5875	,7410	,4648	+7,7257
1580	Antinoi	7.8	2	20 14,16	3,063	,5838	,7367	,4861	+6,3697
1581	Vulpeculæ	7.8	1	20 14,52	2,598	+8,6204	—8,7736	+0,4146	+8,2170
1582	Delphini	7.8	2	20 35,65	2,920	,5884	,7403	,4654	+7,7174
1583	Antinoi	8	2	21 22,86	3,163	,5884	,7368	,5001	—7,5258
1584	———	8.9	2	21 53,02	3,181	,5905	,7367	,5026	—7,6049
1585	———	8.9	2	21 56,38	3,189	,5909	,7371	,5036	—7,6346
1586	Capricorni	7.8	3	21 59,63	3,271	+8,5958	—8,7417	+0,5147	—7,8592
1587	——— *pre.*	8	4	22 37,00	3,522	,6249	,7685	,5468	—8,2111
1588	——— *seq*	8	3	22 39,26	3,522	,6252	,7684	,5468	—8,2117
1589	Delphini	8	2	22 42,74	2,692	,6148	,7581	,4301	+8,1304
1590	Antinoi	8	2	23 20,24	3,143	,5929	,7335	,4973	—7,4329
1591	Delphini *seq.*	7.8	3	23 23,30	2,863	+8,5995	—8,7401	+0,4568	+7,8689
1592	Cygni	7	2	23 26,95	1,849	,7696	,9102	,2669	+8,6433
1593	———	8	1	23 45,67	1,853	,7701	,9094	,2679	+8,6434
1594	———	7	1	24 58,71	2,381	,6703	,8044	,3768	+8,4011
1595	———	7	1	25 49,45	1,845	,7784	,9095	,2660	+8,6541
1596	Aquarii	8	1	25 55,05	3,250	+8,6048	—8,7350	+0,5119	—7,8276
1597	Delphini	7.8	2	26 19,26	2,797	8,6131	8,7417	0,4467	+8,0018
1598	Aquarii	8	2	26 21,34	3,248	8,6059	8,7343	0,5116	—7,8258
1599	Draconis	7	2	26 21,57	0,381	9,0301	9,1594	9,5809	+8,9980
1600	Aquilæ	8.9	2	26 26,70	3,031	8,6003	8,7284	0,4816	+7,1358
1601	Delphini	8	1	26 36,17	2,864	+8,6080	—8,7357	+0,4570	+7,8794
1602	Cygni	8.9	2	26 46,99	2,360	,6795	,8066	,3729	+8,4212
1603	Aquilæ	8	2	26 55,81	3,116	,6016	,7279	,4936	—7,2583
1604	———	8	3	27 29,46	3,016	,6030	,7272	,4794	+7,2867
1605	Delphini	8.9	3	27 35,59	2,865	,6106	,7343	,4571	+7,8827
1606	Cephei	6.7	2	27 45,93	1,471	+8,8581	—8,9815	+0,1676	+8,7779
1607	Aquilæ	7.8	2	28 25,35	3,032	,6051	8,7256	,4817	+7,1370
1608	———	8	3	28 42,28	3,103	,6059	8,7252	,4918	—7,1188
1609	Cephei	7	1	28 43,05	1,233	,9049	9,0246	,0910	+8,8419
1610	Cygni	7	2	29 14,68	1,836	,7917	8,9093	,2639	+8,6709
1611	Capricorni	7.8	2	29 25,21	3,405	+8,6282	—8,7448	+0,5321	—8,1092
1612	Aquarii	7.8	1	29 30,61	3,160	,6091	,7255	,4997	—7,5436
1613	Cygni	7.8	2	29 35,21	1,863	,7874	,9037	,2702	+8,6628
1614	———	7.8	2	30 3,80	1,746	,8126	,9271	,2420	+8,7050
1615	Delphini	8	1	30 13,21	2,833	,6198	,7333	,4522	+7,9563
1616	Capricorni	8.9	3	30 22,40	3,362	+8,6257	—8,7388	+0,5266	—8,0535
1617	Delphini	7.8	2	30 35,49	2,833	,6210	8,7332	,4522	+7,9654
1618	Cephei	7.8	2	30 49,29	1,147	,9274	9,0391	,0596	+8,8700
1619	Delphini	7.8	2	30 57,24	2,920	,6152	8,7260	,4654	+7,7569
1620	Cygni	8	1	31 24,21	2,459	,6748	8,7836	,3908	+8,3740

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A. R.	Decn.
		° ′ ″	″						s	″
1576	3	+10 49 14,66	+11,458	+9,7634	+9,0312	+1,0591	+9,9141	143	+,020	— ,04
1577	4	— 4 58 5,16	11,511	+9,5575	—8,6965	,0611	,9131	148	+,005	— ,21
1578	2	+ 2 24 1,18	11,511	+9,6702	+8,3811	,0611	,9131	149	+,011	+ ,02
1579	3	+ 7 53 55,70	11,520	+9,7340	+8,8976	,0615	,9129	151	+,007	— ,13
1580	3	+ 0 20 42,57	11,530	+9,6425	+7,5458	,0618	,9127	152	+,001	— ,45
1581		+23 15	11,525	+9,8585	+9,3563	+1,0616	+9,9128	155	+,019	
1582	2	+ 7 43 12,94	11,549	+9,7324	+8,8895	,0625	,9124	156	+,010	— ,16
1583		— 4 58	11,611	+9,5587	—8,7003	,0649	,9112	158	+,001	
1584	3	— 5 55 59,39	11,649	+9,5416	—8,7787	,0663	,9105	159	+,012	— ,10
1585	2	— 6 22 9,41	11,649	+9,5327	—8,8081	,0663	,9105	160	+,005	— ,02
1586	2	—10 34 42,07	11,653	+9,4425	—9,0278	+1,0664	+9,9104	161	+,010	— ,14
1587	2	—22 42 9,05	11,696	+8,9395	—9,3522	,0680	,9096	166	+,011	,00
1588	3	—22 42 34,59	11,701	+8,9395	—9,3527	,0682	,9095	167	+,021	— ,04
1589	3	+19 7 24,38	11,701	+9,8299	+9,2818	,0682	,9095	171	+,005	— ,11
1590	4	— 3 59 20,19	11,748	+9,5763	—8,6077	,0700	,9086	175	+,012	— ,05
1591	3	+10 42 48,81	11,748	+9,7612	+9,0374	+1,0700	+9,9086	178	+,005	— ,18
1592	1	+48 22 34,24	11,748	+9,9513	+9,6417	,0700	,9086	183	+,008	— ,07
1593	3	+48 19 23,05	11,772	+9,9508	+9,6422	,0708	,9081	184	—,018	— ,23
1594	3	+32 32 57,57	11,862	+9,9031	+9,5030	,0741	,9063	190	—,003	— ,07
1595	1	+48 39 48,38	11,917	+9,9494	+9,6499	,0762	,9053	199	+,005	+ ,03
1596	3	— 9 38 2,54	11,932	+9,4683	—8,9976	+1,0767	+9,9050	193	+,013	— ,20
1597	2	+14 9 26,99	11,960	+9,7903	+9,1645	,0777	,9044	198	+,009	— ,09
1598	1	— 9 33 43,82	11,964	+9,4698	—8,9958	,0779	,9043	195	—,006	— ,20
1599	2	+68 13 21,28	11,950	+9,8621	+9,7433	,0774	,9046	208	+,022	+ ,13
1600	2	+ 1 57 3,96	11,969	+9,6637	+8,3116	,0781	,9042	197	+,021	+ ,02
1601	2	+10 45 12,04	11,978	+9,7597	+9,0478	+1,0784	+9,9040	201	+,004	— ,09
1602	2	+33 28 3,15	11,988	+9,9052	+8,5185	,0787	,9038	204	+,016	— ,02
1603	2	— 2 36 39,90	12,002	+9,5977	—8,4340	,0792	,9036	202	+,010	,00
1604	3	+ 2 44 38,44	12,038	+9,6730	+8,4623	,0806	,9028	205	+,004	— ,14
1605	3	+10 46 44,33	12,048	+9,7308	+9,0510	,0809	,9026	206	+,023	+ ,23
1606	2	+56 13 33,05	12,053	+9,9566	+9,6989	+1,0811	+9,9025	217	+,009	+ ,08
1607	4	+ 1 55 55,95	12,104	+9,6637	+8,3128	,0829	,9015	214	+,013	— ,03
1608	3	— 1 52 37,81	12,127	+9,6180	—8,2947	,0838	,9010	216	+,010	— ,07
1609	2	+59 52 3,01	12,118	+9,9576	+9,7185	,0834	,9012	222	+,007	— ,22
1610	2	+49 12 38,91	12,156	+9,9469	+9,6620	,0848	,9004	226	+,002	— ,12
1611	2	—17 37 56,02	12,174	+9,2380	—9,2644	+1,0854	+9,9000	218	+,008	— ,01
1612	3	— 4 57 0,35	12,178	+9,5611	—8,7181	,0856	,8999	221	+,009	— ,17
1613	3	+48 36 54,78	12,178	+9,9460	+9,6590	,0856	,8999	230	+,016	,00
1614	2	+51 17 28,89	12,211	+9,9494	+9,6771	,0867	,8993	236	+,011	+ ,07
1615	2	+12 31 25,58	12,229	+9,7752	+9,1219	,0874	,8989	231	—,001	— ,02
1616	2	—15 32 47,39	12,234	+9,3139	—9,2134	+1,0876	+9,8987	229	+,009	— ,13
1617	2	+12 45 25,18	12,253	+9,7767	+9,1306	,0882	,8984	235	+,024	— ,03
1618	2	+61 10 48,83	12,263	+9,9552	+9,7292	,0885	,8982	252	+,020	+ ,04
1619	2	+ 7 57 2,56	12,276	+9,7324	+8,9288	,0890	,8979	238	+,021	— ,13
1620	1	+30 0 20,18	12,312	+9,8870	+9,4876	,0903	,8971	249	+,004	— ,17

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s				
1621	Delphini	7	1	20 31 28,43	+2,780	+8,6279	—8,7367	+0,4440	+8,0488
1622	Aquarii	7	2	31 39,80	3,127	8,6134	8,7214	0,4951	—7,3602
1623	Delphini	7.8	2	31 45,57	2,829	8,6240	8,7314	0,4516	+7,9689
1624	———	7	2	32 0,13	2,921	8,6179	8,7243	0,4655	+7,7551
1625	Cephei	7		32	0,179	9,0790	9,1859	9,2528	+7,0519
1626	Delphini	7.8	2	32 8,12	2,828	+8,6251	—8,7310	+0,4515	+7,9722
1627	———	8	2	32 8,57	2,830	,6249	,7308	,4518	+7,9687
1628	Aquarii	8.9	2	32 47,87	3,282	,6245	,7278	,5292	—7,9248
1629	———	8	1	33 20,34	3,115	,6174	,7186	,4935	—7,2713
1630	Delphini	7	2	33 22,97	2,748	,6363	,7376	,4390	+8,1023
1631	Vulpeculæ	8	1	33 40,21	2,569	+8,6623	—8,7622	+0,4098	+8,2966
1632	Acquarii	8	2	33 42,71	3,281	,6268	,7264	,5160	—7,9276
1633	Delphini	7.8	1	33 51,45	2,865	,6264	,7253	,4571	+7,9070
1634	Capricorni	8	2	34 4,60	3,586	,6667	,7648	,5546	—8,3147
1635	Delphini	8	1	34 11,63	2,823	,6305	,7286	,4507	+7,9896
1636	Delphini	9		35	2,778	+8,6371	—8,7318	+0,4437	+8,0654
1637	Cygni	7.8	1	35 15,49	2,341	,7078	,8018	,3694	+8,4661
1638	Delphini	7.8	2	35 29,41	3,004	,6228	,7157	,4777	+7,4085
1639	Cygni	7.8	1	35 57,04	2,344	,7090	,8003	,3700	+8,4663
1640	Vulpeculæ	8.9	2	36 16,25	2,579	,6673	,7574	,4114	+8,2973
1641	Delphini	7.8	2	36 27,77	2,751	+8,6436	—8,7329	+0,4395	+8,1095
1642	Aquarii			36	3,058	,6245	8,7133	0,4854	+6,6067
1643	Cephei	8	1	37 2,70	0,891	,9923	9,0798	9,9499	+8,9481
1644	Aquarii	8.9	1	37 8,04	3,232	,6313	8,7178	0,5095	—7,8272
1645	Delphini	8	2	37 45,12	2,866	,6354	8,7196	0,4573	+7,9186
1646	Vulpeculæ	8.9	2	38 25,76	2,576	+8,6733	—8,7552	+0,4109	+8,3081
1647	Cygni	8	1	39 3,30	2,473	,6930	8,7723	,3992	+8,3931
1648	Cephei	7.8	2	39 26,48	1,074	,9705	9,0488	,0310	+8,9196
1649	———	7	2	39 42,30	1,089	,9689	9,0461	,0370	+8,9174
1650	Capricorni	8	2	40 2,09	3,308	,6442	8,7194	,5196	—8,0028
1651	Cephei	7.8	3	40 23,75	1,094	+8,9706	—9,0450	+0,0390	+8,9190
1652	Vulpeculæ	8	2	40 43,78	2,579	,6789	8,7516	,4114	+8,3145
1653	Equulei	8	2	40 57,54	2,970	,6367	8,7082	,4728	+7,6182
1654	Vulpeculæ	8	2	41 11,43	2,575	,6808	8,7516	,4108	+8,3198
1655	Aquarii	7.8	3	41 40,93	3,035	,6365	8,7053	,4822	+7,1455
1656	Cephei			43	1,624	+8,8803	—8,9442	+0,2106	+8,7936
1657	Aquarii	8.9	1	43 10,54	3,163	,6415	,7046	,5001	—7,6137
1658	Capricorni	8.9	2	43 37,33	3,372	,6594	,7208	,5279	—8,1195
1659	Aquarii	9	2	43 40,55	3,162	,6424	,7038	,5000	—7,6079
1660	———	8.9	2	43 47,97	3,135	,6418	,7027	,4962	—7,4650
1661	Aquarii	8.9	2	43 50,64	3,081	+8,6409	—8,7017	+0,4887	—6,7381
1662	Equulei	7	1	43 59,75	2,945	,6445	,7046	,4691	+7,7294
1663	Capricorni	8	2	44 10,38	3,579	,6915	,7508	,5538	—8,3473
1664	Delphini	7.8	1	44 26,29	2,888	,6490	,7075	,4606	+7,8943
1665	Vulpeculæ	7	2	44 30,79	2,541	,6950	,7532	,4050	+8,3615

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ″ ′	″						s	″
1621	3	+15 15 57,88	+12,313	+9,7973	+9,2093	+1,0903	+9,8971	247	+,001	— ,09
1622	2	— 3 13 30,85	12,326	+9,5899	—8,5357	,0908	,8968	246	+,006	— ,08
1623	3	+12 45 25,38	12,336	+9,7760	+9,1341	,0911	,8966	251	+,012	—1,18
1624	2	+ 7 52 24,31	12,354	+9,7308	+8,9270	,0918	,8962	253	+,005	— ,11
1625	1	+69 58 5,08	12,344	+9,9489	+9,7624	,0915	,8964	265		— ,19
1626	2	+12 50 44,84	12,363	+9,7767	+9,1373	+1,0921	+9,8960	255	+,008	— ,01
1627	1	+12 43 51,01	12,363	+9,7760	+9,1339	,0921	,8960	256	+,010	— ,06
1628	3	—11 31 23,59	12,409	+9,4314	—9,0920	,0937	,8950	259	+,012	— ,07
1629	2	— 2 35 56,19	12,445	+9,6010	—8,4469	,0950	,8942	260	+,016	— ,04
1630	3	+16 59 35,22	12,445	+9,8089	+9,2590	,0950	,8942	261	+,017	+ ,06
1631	2	+25 30 3,67	12,467	+9,8621	+9,4281	+1,0958	+9,8937	268	+,014	— ,10
1632	1	—11 33 1,73	12,473	+9,4314	—9,0949	,0960	,8936	262	+,008	— ,05
1633	2	+10 59 13,50	12,487	+9,7597	+9,0751	,0964	,8933	269	+,016	— ,11
1634	2	—26 24 35,19	12,500	+8,6232	—9,4429	,0969	,8930	266	+,006	— ,10
1635	1	+13 12 33,56	12,500	+9,7789	+9,1541	,0969	,8930	271	+,012	— ,05
1636	2	+15 32 43,07	12,559	+9,7973	+9,2252	+1,0990	+9,8917	275		— ,09
1637	2	+34 57 35,89	12,573	+9,9036	+9,5557	,0994	,8914	278	+,036	— ,17
1638	3	+ 3 29 35,06	12,591	+9,6812	+8,5838	,1001	,8910	277	+,010	— ,07
1639	3	+34 52 13,94	12,618	+9,9031	+9,5564	,1010	,8904	283	+,005	— ,20
1640		+25 14	12,641	+9,8591	+9,4298	,1018	,8899	287	+,001	
1641	2	+16 59 6,16	12,654	+9,8075	+9,2662	+1,1022	+9,8896	288	+,015	+ ,02
1642		+ 0 32	12,663	+9,6444	+7,7828	,1025	,8894	286		
1643	3	+64 33 42,20	12,686	+9,9474	+9,7571	,1033	,8889	295	+,000	— ,02
1644	1	— 9 2 42,54	12,703	+9,4885	—8,9979	,1039	,8884	290	+,011	+ ,15
1645	3	+11 3 6,10	12,745	+9,7589	+9,0865	,1053	,8875	292	+,026	— ,09
1646	3	+25 30 44,69	12,785	+9,8591	+9,4395	+1,1067	+9,8866	300	+,010	— ,11
1647	2	+30 3 46,82	12,830	+9,8808	+9,5063	,1082	,8855	308	+,007	— ,15
1648	2	+62 45 37,85	12,848	+9,9450	+9,7559	,1088	,8851	315	+,046	— ,07
1649	1	+62 37 31,58	12,866	+9,9445	+9,7559	,1094	,8847	317	+,005	+ ,27
1650	4	—13 12 37,16	12,902	+9,3927	—9,1673	,1106	,8838	311	+,002	+ ,04
1651	3	+62 37 0,18	12,915	+9,9440	+9,7576	+1,1111	+9,8835	326	+,006	+ ,05
1652	3	+25 34 41,00	12,947	+9,8579	+9,4457	,1121	,8829	319	—,001	— ,09
1653	3	+ 5 28 54,25	12,963	+9,7033	+8,7923	,1127	,8823	318	+,013	— ,12
1654	2	+25 47 37,91	12,978	+9,8591	+9,4502	,1132	,8820	324	+,000	— ,06
1655	2	+ 1 49 46,15	13,014	+9,6618	+8,3214	,1144	,8811	327	+,007	— ,10
1656		+54 57	13,102	+9,9390	+9,7285	+1,1172	+9,8791	349		
1657	3	— 5 24 22,17	13,110	+9,5575	—8,7879	,1176	,8788	340	+,017	— ,21
1658	2	—16 46 29,83	13,141	+9,2945	—9,2768	,1186	,8780	343	+,012	+ ,22
1659	3	— 5 18 52,13	13,141	+9,5587	—8,7822	,1186	,8780	344	+,019	— ,16
1660	2	— 3 49 45,75	13,148	+9,5821	—8,6402	,1189	,8778	346	+,016	— ,06
1661	2	— 0 43 50,53	13,149	+9,6284	—7,9141	+1,1189	+9,8778	347	+,013	— ,11
1662	2	+ 6 58 22,33	13,163	+9,7185	+8,9022	,1193	,8774	352	+,010	— ,01
1663	2	—26 55 47,12	13,176	+8,6628	—9 4736	,1198	,8771	348	+,013	— ,15
1664	1	+10 7 8,29	13,189	+9,7474	+9,0636	,1202	,8768	354	+,017	— ,16
1665	1	+27 38 23,36	13,193	+9,8651	+9,4850	,1204	,8767	358	+,013	— ,04

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1666	Equulei *pre.*	8.9	4	20 44 38,92	+2,949	+8,6456	—8,7034	+0,4697	+7,7147
1667	——— *seq.*	9	2	44 40,06	2,950	,6457	,7032	,4698	+7,7138
1668	Capricorni	7.8	1	44 41,46	3,562	,6899	,7472	,5517	—8,3346
1669	Aquarii	6.7		45	3,200	,6476	,7031	,5051	—7,7623
1670	———	7.8	2	45 26,54	3,158	,6461	,7008	,4994	—7,5992
1671	Capricorni	8.9	1	45 36,74	3,572	+8,6939	—8,7476	+0,5529	—8,3467
1672	Cephei	8	1	45 37,24	0,408	9,0970	9,1517	9,6107	+9,0681
1673	Microscopii	8.9	2	45 45,54	3,697	8,7175	8,7707	0,5678	—8,4435
1674	Capricorni	8	1	45 47,41	3.353	8,6621	8,7153	0,5254	—8,0998
1675	Equulei	7.8	1	45 54,05	3,010	8,6461	8,6990	0,4786	+7,4127
1676	Aquarii	8	1	46 18,58	3,204	+8,6503	—8,7015	+0,5057	—7,7820
1677	Delphini	9.10		46	2,877	,6548	,7047	,4589	+7,9289
1678	Aquarii	8	1	46 48,48	3,047	,6474	,6968	,4839	+6,9681
1679	Equulei	7.8	2	47 3,42	2,947	,6510	,6994	,4694	+7,7318
1680	Capricorni	8.9	1	47 35,47	3,362	,6673	,7134	,5266	—8,1190
1681	Equulei	8	2	47 44,40	2,944	+8,6526	—8,6984	+0,4689	+7,7426
1682	Capricorni	9	1	48 0,27	3,367	,6689	,7134	,5272	—8,1294
1683	Aquarii	8	1	48 19,74	3,191	,6539	,6974	,5039	—7,7449
1684	Microscopii	8	2	48 25,80	3,694	,7239	,7669	,5675	—8,4519
1685	Aquarii	7.8	2	48 27,53	3,049	,6509	,6939	,4842	+6,9407
1686	Aquarii	7	2	48 55,60	3,135	+8,6528	—8,6940	+0,4962	—7,4796
1687	Cephei	7.8	3	49 43,73	1,447	,9376	,9763	,1605	+8,8693
1688	Aquarii	7	2	50 10,02	3,144	,6556	,6923	,4975	—7,5454
1689	Capricorni	8	2	50 14,43	3,378	,6750	,7114	,5287	—8,1531
1690	Aquarii	8	2	50 15,61	3,136	,6556	,6917	,4964	—7,4919
1691	Capricorni	7.8	3	50 32,12	3,589	+8,7092	—8,7441	+0,5550	—8,3803
1692	Cygni	8	2	50 56,18	2,453	,7306	,7645	,3897	+8,4928
1693	Aquarii	9.10		51	3,096	,6569	,6890	,4908	—7,1118
1694	———	8	3	52 0,97	3,170	,6605	,6900	,5011	—7,6785
1695	Cygni	8	2	52 20,97	2,228	,7791	,8077	,3479	+8,5937
1696	Cygni	8	2	52 21,79	2,247	+8,7748	—8,8034	+0,3516	+8,5835
1697	Delphini	7.8	2	52 36,72	2,907	,6638	,6936	,4634	+7,8753
1698	———	9	5	52 47,64	2,907	,6654	,6922	,4634	+7,8769
1699	Equulei	8	2	53 24,37	2,957	,6638	,6880	,4708	+7,7209
1700	Aquarii	8	1	53 35,82	3,271	,6706	,6941	,5147	—7,9813
1701	Equulei	7.8	2	53 39,84	3,535	+8,7067	—8,7299	+0,5484	—8,3438
1702	Vulpeculæ	8	2	54 25,22	2,707	,6913	,7118	,4325	+8,2353
1703	Aquarii	7.8	2	54 32,45	3,094	,6633	,6833	,4905	—7,0955
1704	Capricorni	7.8	3	54 45,98	3,395	,6873	,7063	,5308	—8,1941
1705	Aquarii	8.9	3	54 59,28	3,184	,6672	,6854	,5030	—7,7448
1706	Microscopii	7.8	1	55 55,65	3,933	+8,7951	—8,8095	+0,5947	—8,6208
1707	Vulpeculæ	7	2	55 56,84	2,549	,7215	,7361	,4064	+8,3983
1708	Cygni	7	2	56 3,90	2,294	,7748	,7893	,3606	+8,5726
1709	Equulei	7	2	56 24,65	3,030	,6672	,6801	,4814	+7,2738
1710	Vulpeculæ	8	2	56 30,51	2,548	,7229	,7356	,4062	+8,4011

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
1666	2	+ 6 43 6,30	+13,203	+9,7152	+8,8878	+1,1206	+9,8765	355	+,019	+ ,03
1667	2	+ 6 42 31,27	13,207	+9,7152	+8,8869	,1208	,8763	356	—,060	— ,04
1668	2	—26 11 24,36	13,211	+8,7559	—9,4636	,1209	,8762	353	+,033	— ,12
1669	1	— 7 30 13,48	13,242	+9,5211	—8,9347	,1219	,8755	360		— ,09
1770	2	— 5 9 35,68	13,255	+9,5623	—8,7735	,1224	,8751	364	+,001	— ,16
1671	2	—26 43 48,23	13,273	+8,7076	—9,4738	+1,1229	+9,8747	361	+,032	— ,08
1672		+69 19	13,255	+9,9320	+9,7916	,1224	,8751	374	+,057	
1673	2	—32 10 16,42	13,281	—8,4914	—9,5473	,1232	,8745	363	+,007	— ,04
1674	1	—15 54 2,98	13,281	+9,3243	—9,2589	,1232	,8745	367	+,007	— ,14
1675	2	+ 3 20 17,42	13,286	+9,6785	+8,5881	,1234	,8743	368	+,011	— ,17
1676		— 7 47	13,317	+9,5172	—8,9541	+1,1244	+9,8736	369	+,014	
1677		+10 49	13,337	+9,7528	+9,0972	,1251	,8730	371		
1678		+ 1 12	13,347	+9,6532	+8,1444	,1254	,8728	372	+,008	
1679	2	+ 6 54 38,17	13,363	+9,7168	+8,9047	,1259	,8723	373	+,012	— ,02
1680	2	—16 28 28,75	13,406	+9,3117	—9,2778	,1273	,8713	375	+,009	,00
1681	1	+ 7 2 50,39	13,407	+9,7185	+8,9154	+1,1273	+9,8712	378	+,002	— ,09
1682	2	—16 47 49,95	13,428	+9,3032	—9,2866	,1280	,8706	377	+,018	— ,05
1683	2	— 7 5 42,19	13,446	+9,5302	—8,9176	,1286	,8702	385	+,013	,00
1684	2	—32 19 50,86	13,455	—8,4624	—9,5549	,1289	,8699	384	+,020	— ,10
1685	2	+ 1 6 0,14	13,455	+9,6513	+8,1167	,1289	,8699	388	+,009	— ,16
1686	2	— 3 51 42,72	13,485	+9,5832	—8,6549	+1,1298	+9,8691	390	+,013	+ ,01
1687	4	+58 41 11,27	13,532	+9,9325	+9,7610	,1312	,8686	400	+,015	+ ,06
1688	3	— 4 28 20,48	13,563	+9,5752	—8,7202	,1323	,8670	396	+,007	— ,06
1689	2	—17 30 34,75	13,567	+9,2878	—9,3086	,1325	,8669	394	+,027	+ ,06
1690	3	— 3 56 47,59	13,572	+9,5821	—8,6669	,1326	,8668	397	+,014	— ,10
1691	3	—27 58 20,14	13,588	+8,5798	—9,5025	+1,1333	+9,8662	398	+,015	— ,11
1692	3	+32 40 18,40	13,610	+9,8814	+9,5643	,1338	,8658	407	+,016	+ ,03
1693		— 1 38	13,640	+9,6170	—8,2877	,1348	,8649	408		
1694	4	— 5 59 35,66	13,682	+9,5514	—8,8522	,1362	,8638	416	+,008	— ,11
1695	3	+40 43 30,40	13,699	+9,9058	+9,6493	,1367	,8633	420	+,020	+ ,03
1696	3	+40 3 53,26	13,699	+9,9042	+9,6434	+1,1367	+9,8633	421	+,011	— ,12
1697	2	+ 9 21 26,93	13,677	+9,7380	+9,0456	,1360	,8639	419	+,018	— ,09
1698	1	+ 9 21 33,13	13,729	+9,7380	+9,0472	,1376	,8625	422	+,015	— ,05
1699	1	+ 6 31 40,30	13,772	+9,7110	+8,8942	,1390	,8613	427	+,010	— ,06
1700	3	—11 49 14,38	13,784	+9,4425	—9,1481	,1394	,8609	426	+,019	— ,08
1701	3	—25 42 57,50	13,788	+8,8808	—9,4747	+1,1395	+9,8608	425	+,019	— ,13
1702	2	+20 27 48,98	13,835	+9,8189	+9,3830	,1410	,8595	434	+,019	— ,03
1703	3	— 1 33 57,23	13,843	+9,6180	—8,2714	,1412	,8592	432	+,005	+ ,06
1704	2	—18 45 13,89	13,860	+9,2528	—9,3465	,1418	,8588	433	+,003	,00
1705	2	— 6 52 56,19	13,873	+9,5378	—8,9178	,1422	,8584	438	+,014	+ ,05
1706	1	—42 1 58,26	13,936	—9,2014	—9,6678	+1,1441	+9,8566	442	—,037	— ,15
1707	1	+28 20 28,68	13,932	+9,8591	+9,5188	,1440	,8567	447	+,009	— ,06
1708	2	+38 51 55,43	13,935	+9,8971	+9,6399	,1441	,8566	452	—,002	— ,02
1709	1	+ 2 17 42,30	13,961	+9,6656	+8,4496	,1449	,8558	448	+,014	,00
1710	2	+28 26 46,02	13,965	+9,8591	+9,5213	,1450	,8557	453	—,001	— ,25

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
1711	Cygni	6.7	2	20 56 43,35	+2,319	+8,7710	—8,7829	+0,3653	+8,5607
1712	Vulpeculæ			57	2,659	,7047	,7151	,4247	+8,2998
1713	Microscopii	7.8	2	57 44,84	3,657	,7397	,7473	,5631	—8,4603
1714	Vulpeculæ	8	3	57 56,95	2,664	,7056	,7129	,4255	+8,2968
1715	Capricorni	8	2	58 0,52	3,352	,6885	,6953	,5253	—8,1448
1716	Capricorni	7.8	2	58 5,15	3,348	+8,6882	—8,6945	+0,5248	—8,1386
1717	———	7	2	58 11,98	3,409	,6996	,7027	,5327	—8,2251
1718	Vulpeculæ	7	2	58 30,28	2,553	,7268	,7319	,4070	+8,4050
1719	Capricorni	8	3	58 50,57	3,345	,6894	,6929	,5240	—8,1367
1720	Aquarii	7	2	59 2,10	3,171	,6744	,6775	,5012	—7,7090
1721	Equulei	8	3	59 5,41	3,010	+8,6728	—8,6756	+0,4786	+7,4585
1722	Vulpeculæ	8	1	59 15,43	2,600	,7196	,7219	,4150	+8,3659
1723	Cygni	8	2	59 32,25	2,310	,7803	,7816	,3636	+8,5762
1724	Vulpeculæ	8.9	1	21 0 7,12	2,672	,7092	,7082	,4268	+8,2972
1725	Microscopii	7.8	2	0 14,18	3,620	,7383	,7365	,5587	—8,4418
1726	Capricorni	7.8	2	0 14,71	3,361	+8,6943	—8,6925	+0,5265	—8,1663
1727	Equulei	7	2	0 22,08	2,963	,6771	,6751	,4717	+7,7220
1728	Cygni	8	1	0 33,47	1,863	,8851	,8826	,2702	+8,7816
1729	Microscopii	7.8	2	0 42,01	3,592	,7339	,7304	,5553	—8,4213
1730	Cygni	9	1	0 49,48	2,310	,7839	,7801	,3636	+8,5813
1731	Capricorni	8	1	1 1,26	3,344	+8,6936	—8,6890	+0,5243	—8,1431
1732	Equulei	9	1	1 10,65	3,010	,6769	,6717	,4786	+7,4647
1733	Cygni	8		1	2,060	,8435	,8370	,3139	+8,7083
1734	Equulei	8	3	1 41,03	3,030	,6772	,6702	,4814	+7,2807
1735	Aquarii	7.8	2	1 56,21	3,233	,6840	,6760	,5096	—7,9237
1736	Cygni	8	2	2 12,88	2,534	+8,7391	—8,7302	+0,4038	+8,4345
1737	Equulei	8	1	2 16,77	2,902	,6847	,6756	,4627	+7,9279
1738	Piscis Aust.			2	3,562	,7324	,7217	,5517	—8,4028
1739	Capricorni	8	1	2 42,60	3,426	,7087	,6976	,5348	—8,2627
1740	Aquarii	7.8	1	3 1,96	3,321	,6950	,6826	,5213	—8,1136
1741	Cygni	7.8	2	3 8,87	2,601	+8,7285	—8,7158	+0,4151	+8,3802
1742	Aquarii	9.10	2	4 4,02	3,195	,6854	,6692	,5045	—7,8180
1743	Picis Aust.	7.8	2	4 9,29	3,610	,7453	,7289	,5575	—8,4484
1744	Equulei	7.8	2	4 18,57	2,886	,6899	,6730	,4603	+7,9757
1745	Cygni	7.8	2	4 19,39	2,598	,7314	,7145	,4146	+8,3870
1746	Vulpeculæ	8	2	4 23,94	2,676	+8,7177	—8,7003	+0,4275	+8,3084
1747	———	8	2	4 33,93	2,686	,7164	,6984	,4291	+8,2980
1748	Capricorni	8.9	3	4 38,20	3,418	,7115	,6930	,5338	—8,2605
1749	Aquarii	7.8	1	4 49,80	3,174	,6856	,6664	,5016	—7,7439
1750	Cygni	6	2	5 11,60	1,847	,9030	,8827	,2665	+8,8048
1751	Equulei	8	3	5 25,39	2,896	+8,6911	—8,6699	+0,4618	+7,9538
1752	Capricorni	8.9	2	5 37,72	3,429	,7153	,6931	,5352	—8,2781
1753	———	7	1	5 38,68	3,449	,7185	,6963	,5377	—8,3007
1754	Equulei	9	2	6 17,44	2,897	,6921	,6688	,4619	+7,9534
1755	Aquarii	8	2	7 0,29	3,226	,6931	,6655	,5087	—7,9233

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ′ ″	″						s.	″
1711	1	+38 0 43,46	+13,976	+9,8938	+9,6331	+1,1454	+9,8553	455	+,017	— ,02
1712	1	+23 10 32,99	14,002	+9,8331	+9,4394	,1462	,8546	457		+ ,15
1713	2	—31 42 50.84	14,048	—7,7781	—9,5662	,1476	,8532	459	+,025	+ ,09
1714	2	+22 57 2,58	14,053	+9,8312	+9,4371	,1478	,8531	464	+,011	— ,02
1715	2	—16 37 27,31	14,061	—9,3263	—9,3024	,1480	,8529	460	+,027	+ ,03
1716	3	—16 23 37,58	14,069	+9,3324	—9,2966	+1,1483	+9,8526	461	—,008	— ,09
1717	3	—19 44 23,89	14,074	+9,2253	—9,3749	,1484	,8525	462	—,005	— ,11
1718	1	+28 26 44,01	14,090	+9,8573	+9,5251	,1489	,8520	467	+,003	— ,04
1719	3	—16 16 42,57	14,114	+9,3385	—9,2950	,1497	,8512	466	+,005	— ,11
1720	3	— 6 13 52,45	14,123	+9,5490	—8,8825	,1499	,8510	470	+,025	+ ,12
1721	4	+ 3 29 15,68	14,127	+9,6776	+8,6338	+1,1501	+98509	471	+,009	— ,06
1722	1	+26 16 21,32	14,136	+9,8470	+9,4946	,1503	,8506	473	+,008	+ ,05
1723	1	+38 40 22,47	14,152	+9,8932	+9,6447	,1508	,8501	480	—,003	— ,01
1724		+22 45	14,189	+9,8280	+9,4380	,1520	,8490	482	+,015	
1725	3	—30 22 54,92	14,202	+8,2553	—9,5539	,1523	,8486	477	—,009	— ,15
1726	1	—17 16 32,16	14,205	+9,3117	—9,3225	+1,1523	+9,8486	481	+,010	— ,07
1727	2	+ 6 19 54,93	14,206	+9,7067	+8,8954	,1525	,8485	484	+,010	+ ,03
1728	1	+51 57 56,48	14,214	+9,9149	+9,7472	,1527	,8482	490	—,011	00
1729	2	—29 9 6,09	14,231	+8,5563	—9,5386	,1532	,8477	483	+,014	— ,06
1730	1	+38 50 25,45	14,234	+9,8921	+9,6488	,1533	,8476	489	—,002	+ ,07
1731	2	—16 21 40,79	14,247	+9,3385	—9,3012	+1,1537	+9,8472	487	+,010	— ,10
1732	2	+ 3 30 5,39	14,262	+9,6776	+8,6399	,1542	,8469	488	+,016	— ,03
1733	1	+47 4 34,33	14,279	+9,9079	+9,7175	,1547	,8462	3		+ ,05
1734	3	+ 2 16 51,98	14,288	+9,6646	+8,4565	,1550	,8459	492	+,015	— ,03
1735	3	—11 0 56,43	14,304	+9,4843	—9,0932	,1556	,8454	493	+,017	— ,23
1736	2	+29 42 48,76	14,317	+9,8597	+9,5493	+1,1558	+9,8450	9	+,027	— ,11
1737	1	+10 4 26,64	14,321	+9,7396	+9,0972	,1560	,8449	5	+,037	— ,16
1738		—27 56	14,345	+8,7482	—9,5251	,1567	,8441	4		
1739	2	—20 59 50,06	14,353	+9,1903	—9,4090	,1569	,8438	8	+,028	— ,08
1740	2	—15 13 34,65	14,373	+9,3729	—9,2742	,1576	,8432	11	+,015	— ,16
1741	2	+26 38 11,84	14,378	+9,8451	+9,5075	+1,1577	+9,8431	13	+,006	00
1742		— 7 49	14,433	+9,5263	—8,9900	,1594	,8412	16	+,003	
1743	3	—30 19 59,96	14,437	+8,3979	—9,5606	,1595	,8411	14	+,045	— ,15
1744	2	+11 6 50,64	14,447	+9,7482	+9,1436	,1598	,8408	19	+,014	— ,02
1745	2	+26 53 13,97	14,447	+9,8457	+9,5133	,1598	,8408	22	+,008	+ ,03
1746	2	+22 55 1,35	14,450	+9,8261	+9,4487	+1,1600	+9,8406	23	+,003	— ,05
1747	2	+22 24 52,64	14,463	+9,8228	+9,4399	,1602	,8403	25	+,019	— ,02
1748	2	—20 45 40,16	14,471	+9,2068	—9,4075	,1605	,8401	20	+,004	— ,16
1749	2	— 6 34 56,54	14,483	+9,5465	—8,9171	,1608	,8398	24	+,002	— ,01
1750	2	+52 53 44,18	14,498	+9,9101	+9,7612	,1613	,8391	32	+,013	— ,07
1751	2	+10 32 25,18	14,515	+9,7435	+9,1225	+1,1618	+9.8386	29	+,031	— ,11
1752	3	—21 27 28,06	14,531	+9,1818	—9,4231	,1623	,8381	28	—,001	— ,11
1753	2	—22 29 18,34	14,531	+9,1399	—9,4425	,1623	,8381	27	+,010	— ,07
1754	2	+10 30 44,52	14,547	+9,7427	+9,1221	,1628	,8375	36	—,007	— ,13
1755	2	— 9 47 55,74	14,615	+9,4941	—9,0931	,1648	,8353	39	—,002	— ,20

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1756	Aquarii	8	2	21 7 5,87	+3,230	+8,6936	—8,6658	+0,5092	—7,9354
1757	Capricorni	7	1	7 21,29	3,415	,7167	,6879	,5334	—8,2677
1758	Piscis Aust.	7	2	7 33,45	3,625	,7564	,7269	,5593	—8,4733
1759	Cephei	6.7	1	7 37,37	1,530	,9797	,9504	,1847	+8,9142
1760	Equulei	7	2	8 5,14	2,907	,6952	,6638	,4634	+7,9356
1761	Equulei	8	2	8 11,09	2,903	+8,6957	—8,6639	+0,4628	+7,9467
1762	———	7.8	2	8 34,70	2,995	,6908	,6574	,4764	+7,5934
1763	Cephei	7.8	2	8 36,71	1,529	,9832	,9501	,1844	+8,9183
1764	Piscis Aust.	7	1	9 12,16	3,579	,7506	,7147	,5538	—8,4421
1765	Cygni	7	1	9 13,11	2,271	,8150	,7796	,3562	+8,6351
1766	Pegasi	8.9	1	9 29,18	2,769	+8,7135	—8,6768	+0,4423	+8,2104
1767	Aquarii	7.8	1	9 33,42	3,275	,7022	,6653	,5152	—8,0515
1768	Piscis Aust.	7.8	2	10 12,35	3,544	,7458	,7063	,5495	—8,4155
1769	Pegasi	7.8	2	10 17,98	2,793	,7117	,6720	,4461	+8,1768
1770	Equulei	7	2	10 33,73	2,937	,6974	,6566	,4679	+7,8568
1771	Pegasi	7.8	1	10 45,67	2,792	+8,7127	—8,6712	+0,4459	+8,1798
1772	———	8	1	10 54,35	2,788	,7135	,6715	,4453	+8,1872
1773	Aquarii	7.8	1	11 1,97	3,165	,6962	,6535	,5004	—7,7261
1774	Pegasi	7	2	11 33,06	2,792	,7143	,6697	,4459	+8,1839
1775	Cygni	7.8	2	11 58,93	2,572	,7538	,7075	,4103	+8,4403
1776	Piscis Aust.	7.8	2	12 4,51	3,580	+8,7573	—8,7105	+0,5539	—8,4541
1777	Aquarii	8	2	12 10,25	3,101	,6960	,6489	,4915	—7,2634
1778	Cephei	7.8	2	12 20,16	1,788	,9386	,8913	,2524	+8,8527
1779	Aquarii	7.8	2	12 35,90	3,259	,7061	,6575	,5131	—8,0281
1780	Equulei	7.8	3	13 47,58	3,011	,6991	,6462	,4787	+7,5050
1781	Pegasi	7	2	13 58,29	2,699	+8,7321	—8,6784	+0,4312	+8,3097
1782	Equulei	7·8	3	13 59,07	3,009	,6995	,6458	,4784	+7,5228
1783	Aquarii	8	3	14 16,10	3,133	,7003	,6453	,4960	—7,5668
1784	Pegasi	8.9	2	14 35,72	2,691	,7360	,6801	,4299	+8,3306
1785	Capricorni	7.8	2	14 42,37	3,502	,7471	,6904	,5443	—8,3926
1786	Capricorni	7	3	14 51,35	3,480	+8,7432	—8,6860	+0,5416	—8,3708
1787	———	8.9	2	14 57,01	3,459	,7396	,6816	,5389	—8,3484
1788	Aquarii	9	3	15 47,00	3,262	,7120	,6512	,5135	—8,0456
1789	Capricorni	8	2	16 16,90	3,493	,7486	,6857	,5432	—8,3891
1790	Cygni	7.8	1	16 25,92	2,328	,8199	,7570	,3670	+8,6302
1791	Aquarii	7.8	2	16 37,17	3,108	+8,7036	—8,6394	+0,4925	—7,3713
1792	Capricorni	8	2	16 39,41	3,478	8,7464	8,6823	+0,5413	—8,3751
1793	Cephei	9	2	17 20,93	1,746	8,9639	8,8975	+0,2420	+8,8858
1794	———	7	1	17 22,07	—0,514	9,3303	9,2647	—9,7110	+9,3179
1795	Piscis Aust.	8	2	17 54,77	+3,537	8,7609	8,6918	+0,5486	—8,4381
1796	Capricorni	7.8	2	18 13,88	3,398	+8,7353	—8,6650	+0,5312	—8,2876
1797	Aquarii	8	2	18 24,93	3,288	,7195	,6487	,5169	—8,1112
1798	Capricorni	8.9	2	18 52,02	3,424	,7407	,6681	,5345	—8,3217
1799	Aquarii	8.9	3	19 2,65	3,289	,7207	,6476	,5171	—8,1159
1800	———	7	2	19 11,03	3,261	,7178	,6439	,5133	—8,0571

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ″ ′	″						s	″
1756	2	—10 4 10,64	+14,619	+9,4885	—9,1048	+1,1649	+9,8351	40	+,001	— ,11
1757	2	—20 51 3,23	14,635	+9,2095	—9,4144	,1654	,8346	41	—,012	— ,18
1758	2	—31 25 31,39	14,647	+8,1461	—9,5806	,1657	,8342	42	+,015	+ ,02
1759		+59 18	14,643	+9,9074	+9,7982	,1656	,8345	51	+,007	
1760	3	+10 0 22,14	14,674	+9,7364	+9,1050	,1666	,8332	48	+,014	— ,18
1761	3	+10 15 3,50	14,682	+9,7388	+9,1158	+1,1668	+9,8330	49	+,002	— ,11
1762	4	+ 4 34 16,80	14,707	+9,6866	+8,7681	,1675	,8321	53	—,002	— ,17
1763	1	+59 25 19,91	14,702	+9,9063	+9,8005	,1674	,8323	61	+,018	— ,09
1764	2	—29 26 49,72	14,746	+8,6532	—9,5581	,1687	,8308	55	+,009	— ,05
1765	2	+41 20 30,88	14,738	+9,8887	+9,6866	,1684	,8311	63	+,016	+ ,25
1766	1	+18 16 51,78	14,757	+9,7952	+9,3640	+1,1690	+9,8304	62	+,002	+ ,07
1767	2	—12 56 50,44	14,762	+9,4346	—9,2165	,1691	,8302	59	+,016	+ ,07
1768	2	—27 53 38,99	14,801	+8,8388	—9,5380	,1703	,8288	65	+,014	+ ,05
1769	3	+16 56 39,91	14,806	+9,7867	+9,3335	,1704	,8287	67	+,020	— ,01
1770	2	+ 8 16 34,31	14,822	+9,7210	+9,0283	,1709	,8282	68	+,034	— ,11
1771	2	+17 2 10,54	14,832	+9,7867	+9,3364	+1,1712	+9,8277	69	—,006	+ ,04
1772	2	+17 18 14,82	14,840	+9,7882	+9,3432	,1714	,8275	73	+,012	— ,02
1773	2	— 6 10 26,72	14,853	+9,5551	—8,8997	,1718	,8270	70	+,007	— ,14
1774	2	+17 8 19,68	14,880	+8,7875	+9,3403	,1726	,8261	77	+,005	+ ,01
1775	2	+29 3 20,74	14,908	+9,8476	+9,5579	,1734	,8251	80	+,010	— ,02
1776	3	—29 51 26,75	14,914	+8,6434	—9,5684	+1,1736	+9,8248	78	+,021	— ,14
1777	2	— 2 8 45,14	14,918	+9,6117	—8,4392	,1737	,8247	79	+,018	— ,14
1778	2	+55 6 35,78	14,923	+9,9009	+9,7859	,1738	,8245	86	+,010	— ,16
1779	3	—12 8 51,70	14,942	+9,4533	—9,1944	,1744	,8238	82	+,015	— ,09
1780	1	+ 3 39 6,51	15,008	+9,6767	+8,6802	,1763	,8214	90	+,009	— ,01
1781	3	+22 11 48,44	15,019	+9,8142	+9,4523	+1,1766	+9,8210	94	+,016	+ ,09
1782	4	+ 3 47 37,35	15,019	+9,6785	+8,6979	,1766	,8210	91	+,022	— ,12
1783	3	— 4 14 26,67	15,038	+9,5843	—8,7417	,1772	,8203	95	+,026	— ,07
1784	1	+23 7 49,13	15,053	+9,8189	+9,4702	,1776	,8197	103	—,010	— ,04
1785	2	—26 15 29,92	15,065	+8,9868	—9,5215	,1780	,8193	96	+,004	— ,05
1786	3	—25 7 15,04	15,073	+9,0531	—9,5038	+1,1782	+9,8190	98	+,030	— ,15
1787	3	—23 59 18,71	15,085	+9,1106	—9,4853	,1785	,8185	101	+,010	— ,02
1788	3	—12 28 41,79	15,127	+9,4518	—9,2114	,1797	,8169	106	+,015	+ ,06
1789	2	—25 56 25,30	15,157	+9,0170	—9,5192	,1806	,8158	108	+,020	— ,02
1790	2	+40 14 2,34	15,158	+9,8774	+9,6890	,1806	,8158	116	+,043	— ,10
1791	3	— 2 41 22,47	15,177	+9,6052	—8,5469	+1,1812	+9,8150	112	+,009	— ,05
1792	2	—25 11 14,40	15,177	+9,0607	—9,5078	,1812	,8150	111	+,013	— ,15
1793	2	+56 38 9,60	15,211	+9,8938	+9,8020	,1821	,8137	124	+,018	+ ,06
1794	2	+76 19 17,97	15,199	+9,8663	+9,8674	,1818	,8142	137	—,064	+ ,08
1795	3	—28 25 52,00	15,248	+8,8633	—9,5585	,1832	,8122	121	+,025	— ,02
1796	2	—20 54 57,07	15,268	+9,2405	—9,4341	+1,1838	+9,8115	123	+,008	— ,11
1797	3	—14 17 40,15	15,275	+9,4166	—9,2737	,1840	,8112	125	+,015	— ,09
1798	3	—22 25 20,78	15,302	+9,1903	—9,4638	,1847	,8102	127	+,017	— ,34
1799	3	—14 24 14,54	15,309	+9,4150	—9,2781	,1849	,8099	128	+,026	— ,12
1800	3	—12 38 10,13	15,320	+9,4502	—9,2226	,1853	,8094	130	—,005	— ,07

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of *a*	*b*	*c*	*d*
				h. m. s.	*s.*				
1801	Aquarii	9.10	1	21 19 14,04	+3,263	+8,7182	—8,6440	+0,5136	—8,0625
1802	Cygni	9		19	2,176	,8657	,7915	,3377	+8,7227
1803	Aquarii	8	2	19 23,64	3,115	,7082	,6335	,4935	—7,4435
1804	Cephei	8	2	19 46,00	1,634	,9969	,9213	,2132	+8,9303
1805	Aquarii	7	2	19 49,65	3,121	,7091	,6327	,4943	—7,5030
1806	Aquarii	7.8	1	19 50,04	3,118	+8,7089	—8,6327	+0,4939	—7,4690
1807	———	8.9	3	20 34,66	3,262	,7203	,6410	,5135	—8,0647
1808	———	8.9	3	20 41,10	3,293	,7240	,6445	,5176	—8,1289
1809	Vulpeculæ	8	2	20 56,30	2,635	,7596	,6791	,4208	+8,4149
1810	Capricorni	8	3	20 56,80	3,468	,7531	,6725	,5401	—8,3809
1811	Cygni	6.7	2	21 8,11	2,545	+8,7795	—8,6984	+0,4057	+8,4978
1812	———	6.7	2	21 21,06	1,969	,9231	,8412	,2942	+8,8208
1813	Equulei	8.9	3	22 57,82	2,996	,7146	,6264	,4765	+7,6432
1814	Cephei	8	1	23 43,49	1,878	,9525	,8616	,2737	+8,8643
1815	Aquarii	8	2	23 50,84	3,171	,7178	,6259	,5012	—7,8036
1816	Piscis Aust.	8.9	3	23 52,57	3,526	+8,7710	—8,6791	+0,5473	—8,4508
1817	Capricorni	8	1	23 56,89	3,397	8,7456	8,6534	,5311	—8,3074
1818	Pegasi	7	2	24 24,78	2,710	8,7517	8,6578	,4330	+8,3460
1819	Cephei	8	1	24 26,66	1,189	9,1051	9,0114	,0752	+9,0656
1820	Piscis Aust.	8.9	4	24 32,40	3,524	8,7721	8,6774	,5470	—8,4522
1821	Capricorni	8.9	2	24 37,55	3,279	+8,7290	—8,6343	+0,5157	—8,1172
1822	Pegasi	7.8	2	24 59,74	2,719	,7512	,6549	,4344	+8,3374
1823	Aquarii	8.9	2	25 0,29	3,172	,7196	,6233	,5013	—7,8106
1824	———	8.9	2	25 8,88	3,158	,7189	,6221	,4994	—7,7465
1825	———	8.9	2	25 31,11	3,075	,7171	,6187	,5152	—6,6432
1826	Capricorni	8	1	25 37,89	3,390	+8,7475	—8,6487	+0,5302	—8,3048
1827	———	8	2	25 57,16	3,211	,7240	,6241	,5066	—7,9543
1828	———	8	1	26 8,01	3,369	,7449	,6439	,5275	—8,2775
1829	Cygni	7	2	26 16,12	2,331	,8443	,7433	,3675	+8,6664
1830	Capricorni	7.8	4	27 13,74	3,353	,7441	,6392	,5254	—8,2586
1831	Cephei			27	1,705	+9,0066	—8,9002	+0,2317	+8,9391
1832	Pegasi	7	1	28 2,00	2,707	8,7592	,6512	,4325	+8,3642
1833	Capricorni	7	3	28 11,97	3,353	8,7457	,6370	,5254	—8,2613
1834	Cygni	8	1	28 39,92	2,589	8,7854	,6751	,4131	+8,4883
1835	Piscis Aust.	8	3	28 43,62	3,470	8,7687	,6579	,5403	—8,4129
1836	Capricorni	7.8	2	28 45,39	3,317	+8,7412	—8,6301	+0,5207	—8,2059
1837	Piscis Aust.	8.9	2	28 57,49	3,513	8,7787	,6668	,5457	—8,4588
1838	3 Pegasi *pre.*	8	3	29 33,16	2,984	8,7253	,6113	,4748	+7,7385
1839	Cephei	8		29	1,593	9,0385	,9247	,2022	+8,9806
1840	Capricorni	8.9	2	30 18,35	3,281	8,7387	,6216	,5160	—8,1451
1841	Cephei	7.8	2	30 30,61	1,326	+9,0988	—8,9815	+0,1225	+9,0562
1842	Cygni	7.8	2	31 9,57	2,423	8,8323	,7123	,3843	+8,6274
1843	Pegasi	8	2	31 25,61	3,048	8,7259	,6043	,4840	+7,1190
1844	Cephei	7.8	2	31 33,37	1,350	9,0976	,9763	,1303	+9,0544
1845	Capricorni	7.8	2	32 13,15	3,402	8,7618	,6371	,5317	—8,3473

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ″ ′	″						s	″
1801	1	—12 47 44,74	+15,323	+9,4472	—9,2277	+1,1854	+9,8093	131	+,013	+ ,10
1802	3	+46 0 5,67	15,323	+9,8837	+9,7405	,1854	,8093	140		— ,55
1803	2	— 3 8 8,28	15,332	+9,5999	—9,6190	,1856	,8090	135	+,031	,00
1804	1	+59 3 16,86	15,348	+9,8893	+9,8174	,1860	,8084	146	+,031	— ,07
1805	3	— 3 35 36,76	15,358	+9,5944	—8,6782	,1863	,8079	139	+,006	+ ,06
1806	3	— 3 19 6,29	15,353	+9,5977	—8,6444	+1,1862	+9,8081	138	+,034	— ,03
1807	3	—12 47 24,75	15,399	+9,4502	—9,2299	,1875	,8062	143	+,013	+ ,17
1808	2	—14 44 14,09	15,402	+9,4099	—9,2905	,1876	,8061	144	+,021	— ,16
1809	2	+26 52 13,23	15,418	+9,8299	+9,5414	,1880	,8055	151	+,009	+ ,23
1810	3	—25 8 31,37	15,418	+9,0864	—9,5139	,1880	,8055	147	+,028	— ,21
1811	2	+31 30 40,74	15,425	+9,8476	+9,6045	+1,1882	+9,8052	153	+,018	+ ,09
1812	3	+52 11 19,23	15,436	+9,8865	+9,7843	,1885	,8047	156	+,042	+ ,01
1813	3	+ 4 51 39,43	15,529	+9,6857	+8,8178	,1911	,8009	163	+,008	— ,19
1814	1	+54 42 7,65	15,565	+9,8837	+9,8020	,1922	,7993	170	+,024	— ,02
1815	3	— 7 1 40,43	15,580	+9,5490	—8,9765	,1926	,7987	167	+,017	— ,03
1816	2	—28 36 27,49	15,580	+8,9031	—9,5704	+1,1926	+9,7987	164	+,032	— ,04
1817	3	—21 23 49,61	15,583	+9,2430	—9,4525	,1927	,7986	165	+,044	+ ,04
1818	2	+23 7 31,68	15,610	+9,8096	+9,4857	,1934	,7975	174	+,007	— ,01
1819	2	+65 56 38,97	15,607	+9,8751	+9,8519	,1933	,7976	183	+,041	+ ,13
1820	4	—28 37 10,70	15,621	+8,9085	—9,5718	,1937	,7970	169	+,013	— ,02
1821	3	—14 10 19,08	15,621	+9,4281	—9,2799	+1,1937	+9,7970	172	+,020	— ,04
1822	2	+22 40 23,88	15,642	+9,8069	+9,4785	,1943	,7960	178	—,004	— ,01
1823	1	— 7 5 43,80	15,642	+9,5490	—8,9833	,1943	,7960	175	+,027	— ,08
1824	2	— 6 8 21,10	15,650	+9,5611	—8,9201	,1945	,7957	176	+,012	— ,45
1825	2	— 0 30 1,57	15,672	+9,6325	—7,8193	,1951	,7948	182	—,001	,00
1826	3	—21 10 9,08	15,678	+9,2553	—9,4506	+1,1953	+9,7945	179	+,017	— ,01
1827	2	— 9 48 44,22	15,693	+9,5079	—9,1240	,1957	,7938	186	+,012	— ,21
1828	2	—19 58 16,30	15,708	+9,2945	—9,4268	,1961	,7932	187	+,006	— ,15
1829	1	+41 34 33,16	15,708	+6,8669	+9,7163	,1961	,7932	191	+,007	+ ,01
1830	2	—19 7 14,38	15,762	+9,3181	—9,4101	,1976	,7908	193	+,011	— ,04
1831	1	+58 50 51,64	15,783	+9,8756	+9,8287	+1,1982	+9,7898	205		— ,01
1832	2	+23 43 26,73	15,805	+9,8096	+9,5019	,1988	,7889	200	+,009	— ,01
1833	3	—19 10 1,86	15,816	+9,3201	—9,4127	,1991	,7884	199	—,001	— ,08
1834	3	+30 16 43,01	15,837	+9,8351	+9,6006	,2000	,7874	210	+,023	— ,14
1835	3	—26 10 39,44	15,843	+9,0755	—9,5421	,1999	,7871	204	+,026	+ ,02
1836	2	—16 59 5,61	15,848	+9,3729	—9,3627	+1,2000	+9,7869	206	+,014	— ,05
1837	2	—28 37 33,53	15,859	+8,9445	—9,5784	,2003	,7864	207	+,017	+ ,03
1838	3	+ 5 53 43,78	15,888	+9,6946	+8,9123	,2010	,7851	216	+,019	— ,10
1839		+61 4	15,883	+9,8716	+9,8411	,2009	,7853	221		
1840	3	—14 47 40,66	15,930	+9,4216	—9,3066	,2022	,7831	218	+,015	— ,16
1841	3	+65 0 30,52	15,933	+9,8663	+9,8597	+1,2023	+9,7830	229	+,017	— ,16
1842	3	+38 34 54,09	15,972	+9,8603	+9,6964	,2033	,7813	228	+,017	— ,12
1843	3	+ 1 24 8,68	15,990	+9,6522	+8,2950	,2038	,7803	227	+,011	— ,03
1844	1	+64 51 13,34	15,987	+9,8663	+9,8586	,2037	,7805	236	+,044	— ,13
1845	3	—22 40 5,17	16,032	+9,2279	—9,4886	,2050	,7783	230	—,010	+ ,02

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s*				
1846	Capricorni	8	1	21 32 17,06	+3,398	+8,7609	—8,6362	+0,5312	—8,3416
1847	———	8	3	32 29,28	3,291	,7434	,6179	,5173	—8,1717
1848	Aquarii	8	3	32 45,03	3,067	,7276	,6010	,4867	+6,7476
1849	———	8.9	2	33 31,97	3,073	,7287	,5990	,4876	—6,5349
1850	Capricorni	9	3	33 45,14	3,196	,7347	,6039	,5046	—7,9377
1851	Cygni	6.7	2	35 6,44	2,520	+8,8163	—8,6805	+0,4014	+8,5726
1852	Cephei	7.8	2	35 16,32	1,861	,9932	,8568	,2697	+8,9160
1853	Aquarii	7.8	2	35 49,03	3,143	,7338	,5951	,4973	—7,7115
1854	Cygni	8	2	35 57,61	2,402	,8497	,7107	,3806	+8,6606
1855	Pegasi	7	3	36 26,17	2,751	,7658	,6246	,4395	+8,3409
1856	Cygni	8	2	37 3,09	2,653	+8,7878	—8,6442	+0,4237	+8,4601
1857	Cephei	7.8	2	37 16,80	1,869	,9977	,8533	,2716	+8,9213
1858	Pegasi *seq.*	8		37	2,751	,7677	,6218	,4395	+8,3447
1859	Aquarii	8	3	37 49,34	3,134	,7362	,5894	,4961	—7,6648
1860	Pegasi	7	2	38 31,01	2,710	,7778	,6281	,4330	+8,4013
1861	Capricorni	8	2	38 52,67	3,301	+8,7551	—8,6038	+0,5186	—8,2165
1862	Pegasi	7	2	38 56,12	2,712	8,7782	8,6269	,4333	+8,4011
1863	Cephei	8	1	39 44,91	1,138	9,1694	9,0154	,0561	+9,1375
1864	Capricorni	9	3	39 50,80	3,402	8,7752	8,6210	,5317	—8,3770
1865	Aquarii	8.9	3	39 58,49	3,069	8,7376	8,5820	,4870	—6,7064
1866	Pegasi	7	2	40 13,92	2,927	+8,7450	—8,5887	+0,4664	+8,0029
1867	———	78.	2	41 17,05	2,593	8,8110	,6503	,4138	+8,5358
1868	Capricorni	7.8	3	41 24,25	3,299	8,7587	,5972	,5184	—8,2230
1869	———	8	2	42 4,28	3,405	8,7796	,6156	,5321	—8,3892
1870	Cephei	8.9	2	43 10,31	1,907	9,0069	,8386	,2803	+8,9310
1871	Cephei	8	2	43 11,42	1,903	+9,0081	—8,8398	+0,2794	+8,9327
1872	Capricorni	8	3	43 40 26	3,308	8,7636	,5932	,5196	—8,2493
1873	Cygni	8	2	43 41,97	2,367	8,8792	,7090	,3742	+8,7142
1874	Pegasi	7	3	43 52,30	2,810	8,7671	,5958	,4487	+8,2816
1875	———	8.9	3	44 8,50	2,884	8,7558	,5834	,4600	+8,1354
1876	Cephei	7.8	3	44 31,09	1,751	+9,0514	—8,8779	+0,2433	+8,9912
1877	Capricorni	8	2	44 38,41	3,350	8,7728	,5982	,5250	—8,3225
1878	Cephei	8	3	46 10,84	1,747	9,0580	,8776	,2423	+8,9992
1879	Pegasi	7.8	1	46 22,64	2,546	8,8344	,6529	,4059	+8,5971
1880	Aquarii	7.8	3	47 18,47	3,047	8,7471	,5615	,4839	+7,1975
1881	Gruis	8	3	47 23,78	3,649	+8,8536	—8,6677	+0,5622	—8,6479
1882	Cephei	7	2	47 25,09	1,824	9,0425	,8570	,2610	+8,9782
1883	Capricorni	7.8	2	47 59,97	3,332	8,7746	,5863	,5227	—8,3076
1884	Pegasi	7.8	2	48 21,32	2,553	8,8369	,6472	,4070	+8,5998
1885	Cephei	8		48	2,092	8,9702	,7839	,2206	+8,8740
1886	Pegasi	7.8	2	48 44,15	2,798	+8,7770	—8,5856	+0,4468	+8,3210
1887	———	7.8	2	48 55,62	2,799	,7770	,5848	,4470	+8,3193
1888	Cephei	7.8	2	49 21,60	1,655	9,0920	,8984	,2188	+9,0418
1889	———	7	3	49 22,77	2,006	9,0001	,8063	,3023	+8,9179
1890	Aquarii	8	3	51 1,98	3,156	8,7547	,5538	,4991	—7,8426

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ′ ″	″						s.	″
1846	3	—22 24 9,74	+16,032	+9,2380	—9,4837	+1,2050	+9,7783	231	+,036	— ,03
1847	4	—15 35 2,16	16,042	+9,4099	—9,3323	,2053	,7778	232	+,008	— ,11
1848	3	+ 0 33 54,08	16,057	+9,6434	+7,9115	,2056	,7771	237	+,010	— ,20
1849	4	— 0 23 50,82	16,097	+9,6335	—7,7109	,2068	,7751	239	+,014	— ,20
1850	2	— 9 12 28,89	16,112	+9,5224	—9,1082	,2071	,7744	240	—,002	— ,02
1851	4	+34 45 50,74	16,177	+9,8407	+9,6632	+1,2089	+9,7711	253	+,017	— ,14
1852	2	+56 50 22,33	16,184	+9,8639	+9,8300	,2091	,7708	256	+,002	+ ,01
1853	3	— 5 28 45,14	16,216	+9,5752	—8,8856	,2099	,7692	254	+,007	+ ,03
1854	3	+40 18 2,24	16,219	+9,8519	+9,7190	,2100	,7690	261	+,008	— ,05
1855	3	+22 4 11,30	16,246	+9,7938	+9,4834	,2107	,7676	262	+,006	+ ,02
1856	3	+28 2 3,77	16,277	+9,8176	+9,5819	+1,2116	+9,7661	267	+,010	— ,12
1857	4	+56 59 19,88	16,287	+9,8603	+9,8335	,2118	,7655	277	+,043	+ ,01
1858	1	+22 10 1,70	16,308	+9,7924	+9,4874	,2124	,7644	274		— ,20
1859	4	— 4 52 48,75	16,318	+9,5832	—8,8393	,2127	,7639	272	+,023	— ,17
1860	5	+24 49 47,46	16,354	+9,8041	+9,5352	,2136	,7620	279	+,013	— ,10
1861	4	—16 49 57,22	16,375	+9,3944	—9,3736	+1,2142	+9,7609	280	—,013	— ,16
1862	1	+24 48 22,82	16,375	+9,8035	+9,5352	,2142	,7609	284	+,018	— ,10
1863	3	+68 18 11,33	16,408	+9,8414	+9,8812	,2151	,7591	293	+,007	— ,10
1864	3	—23 34 34,51	16,422	+9,2279	—9,5153	,2154	,7584	286	+,013	+ ,03
1865	3	— 0 33 19,15	16,428	+9,6325	—7,8825	,2156	,7580	287	+,013	— ,12
1866	3	+10 25 4,87	16,438	+9,7251	+9,1718	+1,2159	+9,7575	289	+,020	— ,16
1867	2	+32 2 17,33	16,492	+9,8261	+9,6401	,2173	,7546	299	+,012	+ ,09
1868	4	—16 57 5,50	16,502	+9,3979	—9,3798	,2175	,7540	296	+,007	— ,22
1869	4	—24 1 45,40	16,532	+9,2201	—9,5269	,2183	,7524	301	+,019	— ,06
1870	3	+57 5 36,46	16,584	+9,8500	+9,8419	,2197	,7494	309	+,004	+ ,03
1871	4	+57 11 59,62	16,584	+9,8494	+9,8424	+1,2197	+9,7494	310	+,002	+ ,03
1872	4	—17 49 54,06	16,610	+9,3838	—9,4041	,2204	,7479	307	+,021	+ ,02
1873	4	+43 7 36,16	16,607	+9,8451	+9,7533	,2203	,7481	313	+,022	— ,04
1874	3	+19 3 38,54	16,620	+9,7730	+9,4331	,2206	,7474	312	+,012	— ,01
1875	4	+13 50 14,59	16,633	+9,7443	+9,2986	,2210	,7466	316	+,012	— ,05
1876	3	+60 30 34,89	16,647	+9,8432	+9,8592	+1,2213	+9,7459	318	+,028	— ,08
1877	4	—20 46 55,83	16,659	+9,3201	—9,4694	,2216	,7451	317	+,012	+ ,03
1878	3	+60 50 57,10	16,727	+9,8401	+9,8627	,2234	,7411	328	+,017	+ ,04
1879	4	+35 21 24,93	16,739	+9,8274	+9,6845	,2237	,7404	325	+,015	— ,15
1880	3	+ 1 35 18,29	16,788	+9,6522	+8,3735	,2250	,7375	330	+,008	— ,03
1881	3	—38 31 56,97	16,791	—7,0000	—9,7174	+1,2251	+9,7373	329	+,029	— ,11
1882	3	+59 33 17,04	16,788	+9,8395	+9,8587	,2250	,7375	334	+,023	— ,02
1883	4	—19 58 0,06	16,819	+9,3463	—9,4568	,2258	,7355	333	+,007	— ,13
1884	4	+35 22 19,11	16,836	+9,8248	+9,6871	,2262	,7345	337	+,004	— ,15
1885	2	+53 13 35,86	16,798	+9,8432	+9,8270	,2252	,7369	335		— ,02
1886	3	+20 27 48,83	16,854	+9,7745	+9,4687	+1,2267	+9,7334	339	+,009	— ,06
1887	3	+20 22 58,62	16,864	+9,7745	+9,4673	,2269	,7328	342	+,004	— ,10
1888	3	+62 57 45,90	16,879	+9,8306	+9,8752	,2273	,7318	349	+,037	— ,03
1889	2	+55 50 11,38	16,882	+9,8388	+9,8433	,2274	,7316	347	+,010	— ,05
1890	3	— 7 3 18,41	16,960	+9,5635	—9,0154	,2294	,7266	350	+,014	— ,04

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1891	Aquarii	8	3	21 51 19,10	+3,301	+8,7739	—8,5717	+0,5186	—8,2674
1892	———	8	3	51 36,63	3,066	,7521	,5487	,4866	+6,2158
1893	———	8	2	51 55,66	3,409	,7980	,5932	,5326	—8,4362
1894	———	7.8	1	52 19,33	3,301	,7755	,5690	,5186	—8,2720
1895	Pegasi	8	2	52 38,73	2,724	,7997	,5921	,4352	+8,4418
1896	Aquarii	8	1	53 18,11	3,091	+8,7543	—8,5439	+0,4901	—7,2748
1897	Cygni	7.8	1	53 25,84	2,281	8,9317	,7207	,3581	+8,8051
1898	Pegasi	8	2	53 42,87	2,726	8,8011	,5890	,4355	+8,4440
1899	Aquarii	8	3	53 47,54	3,436	8,8079	,5955	,5360	—8,4770
1900	Cephei	7.8	2	53 53,98	1,997	9,0174	,8047	,3004	+8,9405
1901	Pegasi	7	2	53 58,17	2,943	+8,7617	—8,5485	+0,4688	+8,0099
1902	Aquarii	8	3	54 6,59	3,088	,7552	,5414	,4897	—7,2231
1903	———	7.8	3	55 1,70	3,355	,7906	,5728	,5257	—8,3744
1904	———	8.9	2	55 16,06	3,237	,7691	,5501	,5101	—8,1461
1905	Piscis Aust.	8	4	56 48,43	3,459	,8200	,5939	,5389	—8,5168
1906	Pegasi	8	2	57 28,22	3,006	+8,7606	—8,5322	+0,4780	+7,7165
1907	———	7	2	57 38,16	3,004	,7609	,5319	,4777	+7,7291
1908	Aquarii	7.8	3	58 6,39	3,355	,7956	,5643	,5257	—8,3878
1909	Pegasi	7.8	1	58 18,31	3,016	,7610	,5292	,4794	+7,6476
1910	Piscis Aust.	7	1	59 8,50	3,519	,8416	,6060	,5464	—8,5881
1911	Lacertæ	7	2	59 12,76	2,412	+8,9062	—8,6706	+0,3824	+8,7506
1912	Aquarii	7	1	59 29,41	3,403	,8095	,5724	,5319	—8,4597
1913	———	8	3	59 38,77	3,152	,7646	,5269	,4986	—7,8597
1914	Pegasi	8		59 49	2,621	,8415	,6032	,4185	+8,5863
1915	———	7.8	2	22 0 3,86	2,768	,8017	,5623	,4422	+8,4150
1916	Aquarii	8	3	0 16,53	3,073	+8,7620	—8,5213	+0,4876	—6,6407
1917	———	7	2	0 49,47	3,046	8,7628	,5196	,4837	+7,2947
1918	Cephei	7	1	1 38,66	2,011	9,0397	,7935	,3034	+8,9684
1919	Lacertæ	8	3	2 58,35	2,472	8,8965	,6441	,3930	+8,7253
1920	Cephei	7.8	2	3 5,50	2,004	9,0468	,7941	,3019	+8,9776
1921	Aquarii	8	1	3 21,49	2,242	+8,7803	—8,5262	+0,5108	—8,1938
1922	Gruis	7	3	4 36,11	3,650	8,8964	,6366	,5623	—8,7230
1923	Cephei	7	2	4 50,36	1,787	9,1149	,8545	,2521	+9,0661
1924	Pegasi	6.7	3	5 33,06	2,640	8,8480	,5840	,4216	+8,5935
1925	———	7.8	1	5 50,75	2,971	8,7729	,5074	,4729	+7,9526
1926	Aquarii	8	3	5 57,46	3,389	+8,8172	—8,5510	+0,5301	—8,4705
1927	———	7	2	6 37,93	3,138	8,7713	,5025	,4966	—7,8162
1928	Pegasi	7.8	3	7 7,85	2,793	8,8069	,5356	,4461	+8,4082
1929	Cephei	7.8	2	7 16,85	1,857	9,1048	,8332	,2688	+9,0528
1930	Aquarii	9	3	7 21,22	3,273	8,7912	,5190	,5149	—8,2811
1931	Cephei	6.7	2	8 40,68	1,878	+9,1043	—8,8263	+0,2737	+9,0517
1932	Pegasi	7.8	3	9 9,15	2,733	8,8268	,5463	,4366	+8,5038
1933	Lacertæ	8	3	9 14,80	2,463	8,9165	,6358	,3915	+8,7606
1934	Pegasi	7.8	2	10 2,98	2,924	8,7836	,4989	,4660	+8,1406
1935	Aquarii	8	3	10 47,51	3,168	8,7786	,4904	,5008	—7,9870

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	b'	c'	d'		A. R.	Decn.
		° ′ ″	″						s.	″
1891	3	—18 10 3,88	+16,977	+9,3909	—9,4213	+1,2298	+9,7256	352	+,029	— ,01
1892	3	+ 0 8 26,99	16,988	+9,6395	+7,3919	,2301	,7248	353	+,016	— ,08
1893	3	—25 47 33,26	17,004	+9,2068	—9,5668	,2305	,7238	354	+,014	— ,12
1894	2	—18 17 56,69	17,023	+9,3909	—9,4256	,2310	,7226	356	+,019	+ ,04
1895	4	+26 0 1,91	17,035	+9,7931	+9,5715	,2313	,7218	359	+,017	+ ,02
1896	4	— 1 54 48,53	17,065	+9,6191	—8,4507	+1,2321	+9,7197	364	+,030	+ ,06
1897	3	+48 20 22,68	17,072	+9,8319	+9,8037	,2323	,7193	368	+,010	— ,04
1898	2	+26 2 42,56	17,083	+9,7924	+9,5735	,2326	,7185	369	+,006	— ,05
1899	3	—27 50 16,89	17,088	+9,1461	—9,5997	,2327	,7183	367	+,009	— ,06
1900	3	+56 52 31,96	17,090	+9,8293	+9,8539	,2327	,7181	373	+,026	+ ,07
1901	3	+10 11 8,85	17,094	+9,7160	+9,1791	+1,2329	+9,7177	370	+,005	— ,16
1902	3	— 1 42 21,08	17,102	+9,6222	—8,3990	,2330	,7173	371	+,012	+ .03
1903	3	—22 34 12,21	17,144	+9,3053	—9,5159	,2341	,7143	377	+,016	+ ,02
1904	3	—13 48 29,44	17,156	+9,4742	—9,3095	,2344	,7135	379	+,003	,00
1905	4	—29 51 55,35	17,231	+9,0864	—9,6811	,2363	,7082	384	+,003	— ,10
1906	4	+ 5 10 15,74	17,255	+9,6794	+8,8908	+1,2369	+9,7065	390	+,012	— ,13
1907	4	+ 5 18 52,62	17,261	+9,6803	+8,9033	,2371	,7061	391	+,013	— ,19
1908	3	—23 2 11,24	17,284	+9,3032	—9,5279	,2377	,7044	393	—,001	+ ,12
1909	3	+ 4 23 53,64	17,291	+9,6739	+8,8224	,2378	,7040	395	+,006	— ,12
1910	3	—33 55 29,76	17,329	+8,9031	—9,6832	,2388	,7011	398	+,031	+ ,04
1911	3	+44 18 58,77	17,329	+9,8202	+9,7812	+1,2388	+9,7011	404	+0,18	— ,03
1912	3	—26 34 0,41	17,343	+9,2148	—9,5874	,2391	,7001	400	—0,18	+ ,07
1913	3	— 7 10 54,25	17,349	+9,5670	—9,0324	,2393	,6996	403	+0,15	— ,05
1914	3	+33 43 15,23	17,355	+9,8055	+9,6822	,2394	,6992	409		+ ,06
1915	3	+24 13 6,47	17,367	+9,7789	+9,5510	,2397	,6983	411	+,008	+ ,03
1916	4	— 0 27 42,54	17,378	+9,6335	—7,8167	+1,2400	+9,6974	412	—,001	— ,19
1917	3	+ 1 56 5,73	17,404	+9,6532	+8,4705	,2407	,6954	417	+,010	— ,05
1918	2	+58 2 31,35	17,434	+9,8122	+9,8681	,2414	,6932	4	+,015	— ,06
1919	4	+42 23 4,69	17,494	+9,8122	+9,7697	,2429	,6885	8	+,004	+ ,07
1920	2	+58 29 17,02	17,496	+9,8082	+9,8717	,2429	,6883	12	+,021	+ ,11
1921	4	—15 1 57,76	17,510	+9,4669	—9,3548	+1,2433	+9,6872	7	+,016	— ,16
1922	3	—42 9 18,03	17,564	—7,0000	—9,7693	,2446	,6828	18	+,074	— ,61
1923	3	+63 19 2,44	17,570	+9,7959	+9,8940	,2448	,6824	24	+,018	— ,02
1624	3	+33 47 53,38	17,602	+9,7966	+9,6891	,2455	,6796	29	+,018	— ,10
1925	3	+ 8 40 8,93	17,617	+9,6998	+9,1237	,2459	,6784	30	+,011	— ,05
1926	4	—26 46 41,63	17,623	+9,2380	—9,5974	+1,2461	+9,6780	25	+,008	+ ,01
1927	4	— 6 23 47,28	17,648	+9,5786	—8,9896	,2467	,6759	35	+,016	— ,06
1928	3	+23 30 10,52	17,670	+9,7679	+9,5465	,2472	,6740	39	+,010	+ ,05
1929	2	+62 28 57,17	17,672	+9,7910	+9,8933	,2473	,6737	42	—,005	+ ,03
1930	3	—18 1 3,85	17,678	+9,4265	—9,4354	,2474	,6733	38	+,017	+ ,08
1931	3	+62 21 2,46	17,731	+9,7882	+9,8941	+1,2487	+9,6687	53	+,017	+ ,07
1932	3	+28 21 26,18	17,752	+9,7803	+9,6243	,2492	,6668	52	+,014	+ ,01
1933	4	+44 16 26,93	17,754	+9,1028	+9,7914	,2493	,6666	55	+,009	— ,04
1934	2	+13 8 1,90	17,789	+9,7226	+9,3052	,2402	,6634	57	+,013	— ,07
1935	4	— 9 19 25,97	17,819	+9,5490	—9,1574	,2509	,6607	59	+,005	— ,09

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
1936	Pegasi	7	3	22 10 56,84	+2,856	+8,7977	—8,5089	+0,4558	+8,3140
1937	———	7		11	2,925	,7851	,4942	,4661	+8,1459
1938	Lacertæ	7	2	11 45,32	2,611	,8711	,5789	,4168	+8,6502
1939	Pegasi	7	2	12 41,37	2,926	,7863	,4894	,4663	+8,1460
1940	Aquarii	7	2	12 48,76	3,142	,7780	,4805	,4972	—7,8660
1941	Pegasi	7	2	13 9,95	2,986	+8,7792	—8,4798	+0,4751	+7,9127
1942	———	8	2	15 17,15	3,009	8,7793	,4700	,4784	+7,7788
1943	Aquarii	7.8	2	15 27,09	3,182	8,7853	,4751	,5027	—8,0659
1944	Lacertæ	7.8	3	15 34,92	2,644	8,8685	,5580	,4223	+8,6362
1945	Cephei	7.8	3	19 16,69	1,964	9,1200	,7913	,2931	+9,0689
1946	Pegasi	7.8	3	19 25,66	3,032	+8,7817	—8,4524	+0,4817	+7,5915
1947	———	8	2	20 16,24	2,730	8,8486	,5150	,4360	+8,5607
1948	Cephei	7	2	20 18,21	1,987	9,1174	,7838	,2982	+9,0654
1949	Aquarii	8	3	20 24,93	3,172	8,7892	,4545	,5013	—8,0518
1950	———	8.9	2	20 39,06	3,172	8,7893	,4536	,5013	—8,0492
1951	Piscis Aust.	9	3	21 45,66	3,326	+8,8256	—8,4843	+0,5219	—8,4513
1952	——— ———	8.9	2	22 11,38	3,429	,8605	,5172	,5352	—8,5986
1953	Aquarii	8.9	4	22 11,53	3,180	,7920	,4487	,5024	—8,0898
1954	Pegasi	7.8	2	22 22,69	3,034	,7843	,4399	,4820	+7,5720
1955	Aquarii	8	3	22 24,66	3,179	,7922	,4475	,5023	—8,0894
1956	Aquarii	8	4	23 24,22	3,208	+8,7982	—8,4488	+0,5062	—8,1943
1957	———	8	3	24 12,34	3,247	,8076	,4541	,5115	—8,3049
1958	———	7	4	26 34,65	3,312	,8290	,4632	,5201	—8,4520
1959	———	9	2	26 58,14	3,278	,8194	,4515	,5156	—8,3886
1960	Picis Aust.	7.8	3	27 24,49	3,402	,8614	,4914	,5317	—8,5912
1961	Aquarii	7.8	3	27 51,10	3,278	+8,8206	—8,4481	+0,5156	—8,3926
1962	Lacertæ	8	3	28 10,48	2,651	,8962	,5223	,4234	+8,6927
1963	——— *pre.*	7		28	2,652	,8968	,5208	,4236	+8,6938
1964	Piscis Aust.	8.9	4	28 59,47	3,346	,8440	,4659	,5245	—8,5197
1965	Aquarii	8	3	30 46,11	3,107	,7916	,4035	,4923	—7,6814
1966	Aquarii	8	2	32 18,93	3,106	+8,7927	—8,3962	+0,4922	—7,6760
1967	Piscis Aust.	8	3	32 21,90	3,333	8,8459	,4491	,5228	—8,5187
1968	Pegasi	8	2	32 45,36	2,947	8,8044	,4056	,4694	+8,1793
1969	Aquarii	8	3	33 21,81	3,163	8,8002	,3982	,5001	—8,0789
1970	Cephei	8	2	33 22,35	2,322	9,0511	,6491	,3659	+8,9726
1971	Aquarii	9	3	33 37,33	3,105	+8,7937	—8,3898	+0,4921	—7,6686
1972	———	9	3	34 51,40	3,147	,7991	,3885	,4979	—8,0052
1973	———	9	4	36 1,54	3,139	,7989	,3820	,4968	—7,9661
1974	———	9	4	36 31,85	3,138	,7993	,3793	,4966	—7,9639
1975	———	8.9	4	37 42,91	3,155	,8028	,3759	,4990	—8,0641
1976	Pegasi	8	3	37 56,24	2,802	+8,8565	—8,4284	+0,4475	+8,5506
1977	Lacertæ	8	3	39 11,54	2,601	,9500	,5150	,4151	+8,8025
1978	Aquarii	7.8	2	39 24,48	3,109	,7983	,3617	,4926	—7,7443
1979	———	9	4	39 30,49	3,240	,8252	,3879	,5105	—8,3702
1980	Piscis Aust.	8	3	40 50,12	3,368	,8772	,4319	,5274	—8,6206

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of a'	b'	c'	d'	Piazzi No.	Annual P. M. A. R.	Decn.
		° ″ ′	″						s	″
1936	3	+19 8 45,05	+17,824	+9,7482	+9,4653	+1,2510	+9,6602	60	+,016	— ,08
1937	2	+13 15 0,34	17,843	+9,7218	+9,3102	,2515	,6585	62		— ,11
1938	3	+36 56 52,96	17,853	+9,7924	+9,7289	,2517	,6575	65	+,004	+ ,06
1939	4	+13 12 42,36	17,893	+9,7202	+9,3104	,2527	,6538	69	+,008	— ,01
1940	4	— 7 3 55,81	17,898	+9,5752	—9,0388	,2528	,6533	68	+,005	— ,01
1941	4	+ 7 47 58,66	17,913	+9,6911	+9,0848	+1,2532	+9,6518	73	+,010	— ,15
1942	4	+ 5 42 53,06	17,995	+9,6776	+8,9527	,2551	,6439	82	+,015	— ,01
1943	4	—11 1 25,15	18,002	+9,5340	—9,2339	,2553	,6431	83	+,004	— ,10
1944	4	+35 49 48,51	18,005	+9,7846	+9,7211	,2554	,6429	87	+,018	,00
1945	4	+62 44 20,63	18,146	+9,7612	+9,9057	,2588	,6281	109	+,015	+ ,03
1946	4	+ 3 41 22,47	18,150	+9,6628	+8,7667	+1,2589	+9,6276	106	+,011	— ,02
1947	2	+31 0 16,66	18,183	+9,7701	+9,6697	,2597	,6240	113	+,014	— ,04
1948	3	+62 29 44,43	18,182	+9,7581	+9,9055	,2597	,6240	115	+,002	+ ,05
1949	2	—10 34 20,81	18,190	+9,5428	—9,2205	,2598	,6232	110	+,014	— ,15
1950	3	—10 29 56,06	18,197	+9,5453	—9,2180	,2600	,6224	114	+,015	— ,08
1951	3	—25 0 22,75	18,239	+9,3385	—9,5847	+1,2610	+9,6177	119	+,010	— ,07
1952	2	—33 11 30,57	18,253	+9,1367	—9,6974	,2613	,6161	124	+,039	+ ,02
1953	4	—11 27 48,14	18,253	+9,5353	—9,2572	,2613	,6161	125	+,012	— ,01
1954	4	+ 3 29 42,77	18,260	+9,6609	+8,7473	,2615	,6152	127	+,007	— ,08
1955	3	—11 26 37,57	18,262	+9,5353	—9,2567	,2616	,6149	126	+,003	— ,03
1956	5	—14 26 5,83	18,297	+9,5024	—9,3565	+1,2624	+9,6110	133	+,007	— ,01
1957	3	—18 20 26,43	18,325	+9,4548	—9,4584	,2630	,6076	138	+,003	+ ,03
1958	3	—24 50 12,50	18,409	+9,3579	—9,5860	,2650	,5972	146	+,007	— ,11
1959	4	—21 46 47,23	18,423	+9,4099	—9,5325	,2653	,5954	148	+,015	— ,04
1960	2	—32 29 16,05	18,436	+9,1931	—9,6935	,2657	,5937	154	—,002	+ ,01
1961	4	—21 56 14,58	18,452	+9,4082	—9,5361	+1,2660	+9,5916	155	+,014	+ ,03
1962	2	+38 44 19,23	18,461	+9,7649	+9,7608	,2663	,5904	159	+,041	— ,12
1963	1	+38 46 51,87	18,475	+9,7642	+9,7616	,2666	,5886	163		— ,26
1964	4	—28 17 33,19	18,488	+9,2988	—9,6405	,2669	,5868	162	+,056	— ,01
1965	3	— 4 27 27,57	18,551	+9,6064	—8,8562	,2684	,5782	171	+,014	— ,09
1966	5	— 4 24 20,84	18,601	+9,6064	—8,8508	+1,2695	+9,5711	183	+,008	— ,12
1967	4	—28 6 33,99	18,603	+9,3181	—9,6404	,2696	,5707	182	+,002	+ ,03
1968	1	+13 41 21,39	18,614	+9,7067	+9,3428	,2698	,5692	186	+,032	— ,02
1969	2	—10 58 50,30	18,634	+9,5514	—9,2470	,2703	,5663	188	+,012	— ,07
1970	3	+56 32 9,01	18,634	+9,7372	+9,8900	,2703	,5663	194	+,043	+ ,14
1971	3	— 4 19 40,33	18,644	+9,6085	—8,8435	+1,2705	+9,5647	191	+,017	— ,27
1972	4	— 9 16 26,40	18,683	+9,5682	—9,1756	,2714	,5589	204	+,008	+ ,01
1973	4	— 8 28 30,16	18,718	+9,5763	—9,1375	,2723	,5533	206	+,008	— ,03
1974	4	— 8 25 28,09	18,735	+9,5763	—9,1353	,2726	,5507	208	+,018	+ ,04
1975	3	—10 33 22,24	18,772	+9,5587	—9,2328	,2735	,5447	213	+,010	— ,23
1976	4	+29 35 49,40	18,777	+9,7405	+9,6658	+1,2736	+9,5436	214	—,011	— ,45
1977	3	+45 21 12,67	18,814	+9,7404	+9,8250	,2745	,5375	222	+,021	— ,11
1978	2	— 5 5 35,50	18,821	+9,6042	—8,9187	,2747	,5361	220	+,018	— ,24
1979	4	—20 33 33,30	18,826	+9,4564	—9,5178	,2748	,5354	221	+,002	— ,18
1980	3	—33 40 8,50	15,867	+9,2405	—9,7171	,2757	,5285	224	+,019	+ ,07

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan. 1, 1836.	Annual Precession.	Logarithms of			
						a	*b*	*c*	*d*
				h. m. s.	*s.*				
1981	Aquarii	8.9	3	22 41 40,78	+3,133	+8,8027	—8,3527	+0,4960	—7,9622
1982	Pegasi	8	4	44 12,66	3,048	,8003	,3348	,4840	+7,4734
1983	Aquarii	8	5	45 14,73	3,109	,8025	,3304	,4926	—7,7841
1984	———	9	4	50 1,27	3,106	,8054	,3023	,4922	—7,7750
1985	Andromedæ	8	3	50 2,84	2,749	,9101	,4075	,4392	+8,7046
1986	Pegasi	7.8	1	50 26,81	3,023	+8,8065	—8,3012	+0,4804	+7,8592
1987	Cephei	8	4	50 52,83	—0,667	9,7798	9,2728	—9,8241	+9,7774
1988	Aquarii	8	2	51 22,16	+3,091	8,8049	8,2934	+0,4901	—7,5651
1989	———	7.8	1	51 31,33	3,268	8,8544	8,3415	0,5143	—8,5112
1990	Pegasi	7.8	4	51 31,41	3,023	8,8071	8,2943	0,4804	+7,8610
1991	Pegasi	8	5	51 49,82	3,023	+8,8073	—8,2927	+0,4804	+7,8634
1992	Andromedæ	8	1	52 6,26	2,580	9,0100	,4936	,4116	+8,9033
1993	Aquarii	8	2	52 33,33	3,237	8,8431	,3230	,5101	—8,4464
1994	Pegasi	8	4	54 27,80	2,965	8,8218	,2892	,4720	+8,2450
1995	———	8	4	58 9,52	2,955	8,8289	,2695	,4706	+8,3107
1996	Pegasi	8	4	58 23,99	2,946	+8,8326	—8,2711	+0,4692	+8,3463
1997	Aquarii	8.9	4	59 54,45	3,128	,8154	,2424	,4953	—8,0500
1998	Pegasi	8	4	59 58,86	2,878	,8663	,2934	,4591	+8,5494
1999	———	8.9	3	23 2 24,63	3,016	,8154	,2234	,4794	+8,0057
2000	Piscium	7.8	2	2 54,11	3,045	,8115	,2152	,4836	+7,6693
2001	Aquarii	8.9	3	3 55,63	3,062	+8,8110	—8,2067	+0,4860	+7,1135
2002	———	7.8	4	4 25,70	3,127	,8183	,2102	,4951	—8,0762
2003	Piscium	8.9	3	5 11,24	3,033	,8141	,1999	,4819	+7,8544
2004	———	7.8	3	5 18,49	3,061	,8116	,1959	,4859	+7,1838
2005	Aquarii	8	2	5 42,62	3,243	,8713	,2522	,5109	—8,5614
2006	Pegasi	7.8	3	5 51,69	2,962	+8,8355	—8,2153	+0,4716	+8,3430
2007	Piscium	8	4	7 15,03	3,066	,8124	,1804	,4866	+6,6911
2008	Aquarii	8	2	7 50,76	3,238	,8732	,2360	,5103	—8,5662
2009	Pegasi	8	3	8 58,37	2,974	,8330	,1952	,4733	+8,3083
2010	———	8	3	10 13,41	2,924	,8627	,2048	,4660	+8,5155
2011	Pegasi	7.8	4	10 27,47	2,924	+8,8629	—8,2026	+0,4660	+8,5159
2012	Aquarii	9	3	10 28,73	3,141	,8275	,1672	,4971	—8,2207
2013	Piscium	8	2	10 29,61	3,046	,8151	,1549	,4837	+7,7146
2014	Pegasi	7	2	11 35,41	2,950	,8500	,1794	,4698	+8,4410
2015	Andromedæ	7.8	3	12 13,66	2,830	,9359	,2597	,4518	+8,7518
2016	Pegasi	7.8	3	13 55,09	2,940	+8,8605	—8,1677	+0,4683	+8,4982
2017	Aquarii	8.9	3	14 28,43	3,122	,8244	,1263	,4944	—8,1296
2018	Piscium	8	4	16 1,50	3,045	,8178	,1038	,4836	+7,7847
2019	Pegasi	9	3	16 38,25	2,964	,8508	,1313	,4719	+8,4355
2020	Aquarii	8	5	17 47,52	3,128	,8294	,0973	,4953	—8,2079
2021	Aquarii	8.9	4	17 53,06	3,166	+8,8497	—8,1162	+0,5005	—8,4245
2022	———	8.9	4	18 54,29	3,126	,8297	,0855	,4950	—8,2072
2023	Piscium	8.9	3	19 55,57	3,047	,8191	,0639	,4839	+7,7764
2024	———	8	3	21 11,88	3,048	,8195	,0501	,4840	+7,7796
2025	Gruis	8	4	21 41,68	3,273	,9528	,1780	,5149	—8,7855

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a'	*b'*	*c'*	*d'*		A. R.	Decn.
		° ″ ′	″						s	″
1981	4	— 8 19 28,87	+18,890	+9,5809	—9,1337	+1,2762	+9,5242	228	+,012	+ ,13
1982	4	+ 2 41 0,03	18,962	+9,6513	+8,6490	,2779	,5104	237	+,018	— ,13
1983	4	— 5 31 40,98	18,993	+9,6042	—8,9582	,2786	,5045	242	+,029	— ,04
1984	3	— 5 22 43,20	19,922	+9,6064	—8,9492	,2815	,4765	259	+,014	— ,09
1985	4	+38 30 48,24	19,121	+9,7210	+9,7740	,2815	,4769	260	—,006	+ ,02
1986	2	+ 6 28 3,51	19,132	+9,6665	+9,0325	+1,2817	+9,4745	263	+,008	— ,08
1987	3	+83 54 21,26	19,138	+9,5331	+9,9775	,2819	,4729	280	,000	+ ,03
1988	3	— 3 19 1,64	19,155	+9,6191	—8,7405	,2823	,4688	269	+,010	— ,01
1989	1	—27 0 37,68	19,160	+9,4048	—9,6372	,2824	,4676	270	+,023	— ,17
1990	5	+ 6 28 51,47	19,160	+9,6674	+9,0343	,2824	,4676	271	+,012	— ,08
1991	3	+ 6 30 22,88	19,168	+9,6674	+9,0367	+1,2826	+9,4659	273	+,009	— ,01
1992	3	+51 25 35,35	19,174	+9,6972	+9,8740	,2827	,4643	276	+,006	+ ,09
1993	3	—23 40 3,80	19,188	+9,4487	—9,5844	,2830	,4609	277	+,029	+ ,03
1994	4	+15 21 3,11	19,233	+9,6928	+9,4053	,2840	,4495	288	+,013	— ,16
1995	4	+17 37 51,53	19,322	+9,6937	+9,4658	,2860	,4246	300	+,024	+ ,05
1996	4	+19 1 34,83	19,328	+9,6955	+9,4980	+1,2862	+9,4228	301	+,029	— ,02
1997	4	— 9 53 43,97	19,363	+9,5832	—9,2196	,2870	,4120	307	+,018	— ,20
1998	3	+28 48 24,85	19,363	+9,7024	+9,6681	,2870	,4120	309	+,008	+ ,17
1999	3	+ 8 53 34,80	19,418	+9,6693	+9,1765	,2882	,3942	3	+,019	+ ,01
2000	4	+ 4 6 53,92	19,430	+9,6532	+8,8443	,2885	,3902	5	+,005	— ,06
2001	3	+ 1 7 29,26	19,451	+9,6425	+8,2895	+1,2889	+9,3827	10	+,021	— ,04
2002	4	—10 27 39,54	19,461	+9,5843	—9,2451	,2892	,3791	15	+,012	— ,02
2003	4	+ 6 17 26,00	19,477	+9,6599	+9,0279	,2895	,3734	13	+,020	+ ,03
2004	4	+ 1 18 41,17	19,480	+9,6425	+8,3598	,2896	,3718	15	+,005	+ ,03
2005	4	—29 20 58,14	19,488	+9,4216	—9,6779	,2898	,3687	16	+,019	+ ,03
2006	4	+18 44 35,39	19,491	+9,6866	+9,4953	+1,2898	+9,3677	20	+,008	— ,01
2007	4	+ 0 24 59,18	19,519	+9,6385	+7,8672	,2905	,3564	21	+,014	— ,22
2008	4	—29 34 39,58	19,531	+9,4249	—9,6818	,2907	,3515	25	+,033	— ,19
2009	4	+17 22 0,53	19,533	+9,6821	+9,4641	,2907	,3510	27	+,019	— ,04
2010	4	+26 42 26,09	19,575	+9,6857	+9,6426	,2917	,3319	38	+,014	— ,03
2011	5	+26 42 42,69	19,581	+9,6858	+9,6429	+1,2918	+9,3296	44	,000	— ,01
2012	2	—14 20 47,42	19,581	+9,5647	—9,3830	,2918	,3296	41	+,045	— ,06
2013	2	+ 4 30 50,01	19,581	+9,6532	+8,8893	,2918	,3296	43	+,063	— ,26
2014	2	+22 55 51,44	19,601	+9,6830	+9,5813	,2923	,3197	48	+,015	— ,09
2015	3	+40 51 31,24	19,612	+9,6656	+9,8065	,2925	,3143	54	+,016	+ ,03
2016	4	+25 42 52,96	19,643	+9,6794	+9,6289	+1,2932	+9,2984	60	+,006	— ,06
2017	4	—11 40 26,48	19,653	+9,5866	—9,2967	,2934	,2934	64	+,031	+ ,21
2018	4	+ 5 17 8,41	19,679	+9,6532	+8,9589	,2940	,2780	72	+,013	— ,02
2019	3	+22 34 50,14	19,688	+9,6739	+9,5769	,2942	,2727	74	+,013	+ ,07
2020	4	—13 51 1,80	19,707	+9,5775	—9,3712	,2946	,2606	79	+,015	+ ,07
2021	4	—22 5 28,88	19,710	+9,5237	—9,5675	+1,2947	+9,2593	80	+,007	— ,09
2022	3	—13 49 45,35	19,725	+9,5786	—9,3706	,2950	,2489	85	+,008	+ ,03
2023	5	+ 5 10 20,83	19,741	+9,6513	+8,9507	,2954	,2382	93	+,016	— ,19
2024	3	+ 5 11 58,52	19,760	+9,6513	+8,9539	,2958	,2253	98	+,025	— ,43
2025	4	—42 53 14,13	19,767	+9,3117	—9,8267	,2959	,2191	99	+,020	— ,02

No.	Star's name and Mag.		No. Obs.	Right Ascension Jan 1, 1836.	Annual Precession.	Logarithms of a	b	c	d
				h. m. s.	s.				
2026	Andromedæ	8	5	23 23 55,97	+2,873	+8,9559	—8,1539	+0,4583	+8,7913
2027	Pegasi	8.9	4	24 25,78	2,947	,8837	8,0760	,4694	+8,5900
2028	Piscium	8.9	4	26 0,53	3,064	,8192	7,9911	,4863	+7,1090
2029	Aquarii	8	4	26 36,24	3,097	,8242	7,9882	,4909	—7,9973
2030	———	8.9	3	27 19,19	3,090	,8225	7,9766	,4900	—7,8851
2031	Ceti	8	3	28 4,17	3,159	+8,8665	—8,0106	+0,4995	—8,5101
2032	Piscium	8	4	29 26,10	3,060	,8205	7,9448	,4857	+7,4573
2033	Aquarii	7	4	29 31,31	3,118	,8372	7,9605	,4939	—8,2766
2034	Andromedæ	8	4	30 3,21	2,911	,9505	8,0660	,4640	+8,7777
2035	Piscium	8	5	31 56,04	3,057	,8217	7,9088	,4853	+7,6562
2036	Piscium	8	2	33 26,90	3,086	+8,8242	—7,8864	+0,4894	—7,9017
2037	Aquarii	8	4	34 20,24	3,100	,8311	,8787	,4914	—8,1561
2038	Piscium	8	2	35 54,68	3,068	,8215	,8407	,4869	—6,2853
2039	App. Sculp.	7.8	4	35 56,58	3,139	,8721	,8913	,4968	—8,5309
2040	Aquarii	8.9	2	36 15,39	3,091	,8274	,8417	,4901	—8,0374
2041	Andromedæ	8	3	36 35,71	2,931	+8,9750	—7,9818	+0,4670	+8,8272
2042	Aquarii	8.9	3	36 53,38	3,103	,8359	,8364	,4918	—8,2365
2043	———	8	4	37 31,77	3,101	,8356	,8231	,4915	—8,2293
2044	Piscium	8.9	3	37 36,53	3,069	,8219	,8094	,4870	—6,8538
2045	Aquarii	8	3	37 50,50	3,101	,8355	,8190	,4915	—8,2267
2046	Piscium	7.8	4	38 10,99	3,069	+8,8220	—7,7975	+0,4870	—6,6079
2047	Ceti	8.9	3	38 55,63	3,120	8,8586	7,8190	,4941	—8,4531
2048	Aquarii	8	5	40 56,59	3,113	8,8568	7,7733	,4932	—8,4397
2049	———	8.9	5	41 29,48	3,097	8,8380	7,7404	,4909	—8,2571
2050	Cephei	8	3	41 54,49	2,875	9,1414	8,0357	,4586	+9,0845
2051	Aquarii	8	2	41 59,69	3,096	+8,8387	—7,7297	+0,4908	—8,2646
2052	Pegasi *præ*	8.9	3	44 36,59	3,051	,8310	,6533	,4844	+8,1129
2053	——— *seq.*	8	3	44 37,85	3,051	,8311	,6514	,4844	+8,1130
2054	Andromedæ	7.8	3	44 41,89	3,004	,9154	,7338	,4777	+8,6853
2055	Piscium	8.9	3	44 49,07	3,062	,8242	,6407	,4860	+7,6957
2056	Pegasi	8	4	45 34,02	3,052	+8,8313	—7,6240	+0,4846	+8,1184
2057	Piscium	8	3	47 11,25	3,065	8,8237	,5643	,4864	+7,4859
2058	Sculptoris	8.9	5	48 3,60	3,108	8,8876	,5972	,4925	—8,5917
2059	Pegasi	7.8	2	48 20,75	3,041	8,8554	,5550	,4830	+8,4243
2060	Cassiopeæ	7.8	2	48 42,01	2,976	9,0643	,7510	,4736	+8,9774
2061	Pegasi	8	3	49 23,53	3,057	+8,8309	—7,4881	+0,4853	+8,0949
2062	Piscium	9	2	49 45,07	3,073	8,8251	,4680	,4876	—7,7536
2063	Pegasi	7.8	2	52 1,27	3,047	8,8701	,3947	,4839	+8,5125
2064	Andromedæ	7.8	5	56 19,45	3,054	8,9041	,0921	,4849	+8,6490
2065	Cassiopeæ	9	4	56 31,28	3,028	9,1802	,3429	,4812	+9,1334
2066	Ceti	8.9	3	57 6,65	3,071	+8,8312	—6,9077	+0,4873	—8,1809

No.	No. Obs.	Declination Jan. 1, 1836.	Annual Precession.	Logarithms of				Piazzi No.	Annual P. M.	
				a′	b′	c′	d′		A. R.	Decn.
		° ′ ″	″						s.	″
2026	5	+43 10 4,80	+19,798	+9,6263	+9,8301	+1,2966	+9,1927	110	+,014	+ ,03
2027	4	+30 32 23,56	19,805	+9,6551	+9,7011	,2968	,1871	113	+,028	+ ,01
2028	4	+ 1 5 52,89	19,826	+9,6405	+8,2850	,2972	,1672	119	+,026	— ,06
2029	4	— 8 34 57,86	19,834	+9,6107	—9,1685	,2974	,1594	123	+,010	— ,13
2030	4	— 6 39 16,61	19,843	+9,6180	—9,0583	,2976	,1498	129	—,011	+ ,03
2031	4	—26 8 45,39	19,851	+9,5172	—9,6395	+1,2978	+9,1399	131	+,024	+ ,06
2032	4	+ 2 27 52,54	19,867	+9,6434	+8,6330	,2981	,1204	136	—,001	,00
2033	4	—15 59 51,61	19,869	+9,5809	—9,4357	,2982	,1195	137	—,002	— ,20
2034	4	+42 10 17,83	19,874	+9,6107	+9,8235	,2983	,1118	141	+,035	+ ,06
2035	4	+ 3 53 50,17	19,895	+9,6444	+8,8312	,2987	,0838	147	+,014	— ,06
2036	3	— 6 53 21,81	19,911	+9,6201	—9,0747	+1,2991	+9,0594	157	+,007	— ,10
2037	4	—12 14 12,15	19,920	+9,6031	—9,3223	,2993	,0449	161	+,005	— ,10
2038	4	— 0 11 49,39	19,935	+9,6375	—7,4614	,2996	,0168	168	+,005	— ,26
2039	4	—27 9 20,19	19,935	+9,5302	—9,6564	,2996	,0168	167	+,003	— ,04
2040	4	— 9 22 20,00	19,937	+9,6138	—9,2077	,2997	,0120	169	+,034	— ,11
2041	4	+45 21 16,31	19,940	+9,5763	+9,8500	+1,2997	+9,0046	172	+,015	— ,08
2042	3	—14 35 33,56	19,945	+9,5966	—9,3984	,2998	8,9983	174	+,013	— ,15
2043	3	—14 21 50,55	19,950	+9,5977	—9,3916	,2999	8,9855	178	+,007	+ ,01
2044	3	— 0 38 47,04	19,950	+9,6365	—8,0299	,2999	8,9855	179	+,006	— ,14
2045	2	—14 16 28,97	19,951	+9,5988	—9,3892	,3000	8,9816	180	+,004	— ,14
2046	4	— 0 22 47,61	19,954	+9,6375	—7,7840	+1,3000	+8,9736	183	—,009	— ,09
2047	3	—23 10 52,34	19,960	+9,5596	—9,5927	,3002	,9587	186	+,002	— ,03
2048	4	—22 31 30,02	19,976	+9,5682	—9,5814	,3005	,9150	194	+,008	+ ,04
2049	4	—15 14 52,89	19,980	+9,5999	—9,4177	,3006	,9010	199	+,018	— ,15
2050	4	+61 18 12,02	19,982	+9,4425	+9,9418	,3006	,8978	202	+,015	+ ,10
2051	4	—15 29 32,25	19,983	+9,5999	—9,4247	+1,3007	+8,8898	201	+,010	— ,10
2052	4	+11 0 55,09	19,999	+9,6415	+9,2809	,3010	,8213	216	+,005	+ ,11
2053	4	+11 0 51,10	20,000	+9,6415	+9,2809	,3010	,8194	217	+,011	+ ,14
2054	4	+36 2 47,53	20,000	+9,5899	+9,7690	,3010	,8175	220	—,004	— ,11
2055	4	+ 4 14 43,47	20,001	+9,6415	+8,8706	,3010	,8156	221	,000	— ,04
2056	4	+11 5 22,41	20,006	+9,6415	+9,2843	+1,3011	+8,7918	224	+,014	+ ,16
2057	4	+ 2 36 7,56	20,013	+9,6385	+8,6616	,3013	,7400	230	—,002	— ,26
2058	4	—30 25 19,24	20,017	+9,5416	—9,7036	,3014	,7090	234	+,039	— ,18
2059	4	+21 44 11,83	20,018	+9,6243	+9,5683	,3014	,6991	235	+,001	+ ,09
2060	4	+54 55 35,31	20,020	+9,4594	+9,9126	,3015	,6863	236	+,016	— ,03
2061	4	+10 33 41,17	20,023	+9,6375	+9,2636	+1,3015	+8,6567	238	+,009	— ,18
2062	4	— 4 53 37,74	20,025	+9,6314	—8,9282	,3015	,6426	241	+,011	— ,14
2063	4	+26 0 28,52	20,033	+9,6075	+9,6421	,3017	,5243	251	+,006	— ,01
2064	4	+33 44 31,88	20,041	+9,5682	+9,7449	,3019	,1880	267	+,071	+ ,03
2065	4	+63 52 3,55	20,041	+9,3096	+9,9532	,3019	,1627	269	+,021	+ ,03
2066	4	—10 31 40,98	20,042	+9,6284	—9,2606	+1,3019	+8,0765	273	+,024	— ,12

In addition to the foregoing catalogue—in the years 1836-1837, the places of several Stars—whose *names only* occur in Vols. II and III—have been determined;—and several more—where the result of one observation only had been given, or where discordance among several observations had occurred or where a large proper motion was observed;—in all these cases, a re-examination of former results has been instituted, and further observations (when necessary) made, as follows.

SUPPLEMENTARY CATALOGUE OF THE A. R. OF THE FIXED STARS.

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836—from former obs.	Mean A. R. Jan. 1, 1836—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
				s.	s.	h. m. s.	s.	s.	
2	of II	11 Cassiopeæ	β	6=28,19	3=28,59	0 0 28,32	+3,069	+0,081	Piazzi's P. M. is too small.*
2	III	61 Andromed.		3= 1,22	3= 1,17	5 1,20	3,090	— ,007	
5	III	96 Piscium		3=58,10	1=57,90	8 58,05	3,075	— ,010	The Paramatta observations reduced to 1836 give the place of this star 23′46s: Can the proper motion amount to, 536s.?
21	II	Tucanæ	ζ	6=27,49	3=29,38	11	2,920	——	
41	II	15 Cassiopæ	κ	5=44,19	3=44,50	23 44,31	3,324	+ ,027	
44	II	Tucanæ	β^1	6=59,50	2=59,83	23 59,58	2,786	——	
45	II	——	β^2	3= 0,36	2= 0,54	24 0,43	2,786	——	
46	II	——	β^3	5=13,73	2=13,53	25 13,67	2,771	——	
51	II	Hiscium		4= 7,83	1= 8,02	27 7,87	3,064	+ ,008	
27	III	117 Andromed.		2=29,82	3=30,10	28 29,99	3,139	+ ,014	
55	II	Ceti		4=55,00	3=55,01	28 55,00	2,988	+ ,110	4 obs. 1832=28m 42s,62; 3 — 1837=28 58,10 ∴P. M. = +,108s
56	II	Piscium		5= 4,16	2= 4,16	29 4,16	3,074	+ ,019	
31	III	128 Andromed.		1=55,28	3=55,02	32 55,09	3,150	+ ,027	
66	II	Ceti		5=30,66	1=30,73	34 30,67	2,991	+ ,007	These results appear discordant; but from the Proximity of this star to the pole, the disagreement=only 1″ of arc
91	II	Cephei		4=37,24	3=38,14	47 37,63	6,468	+ ,197	
96	II	38 Andromed.	η	7=27,92	1=27,71	48 27,89	3,183	+ ,015	
108	II	74 Piscium	ψ^1	3=54,33	1=54,08	56 54,27	3,191	— ,003	
67	III	μ Cassiopeæ		——	2=24,87	57 24,87	3,526	+ ,403	Piazzi says—the P. M. =+ 5″,70
69	III	190 Piscium†		2=20,63	1=20,32	57 20,53	3,092	+ ,006	
109	II	27 Ceti		4=24,38	1=24,35	57 24,37	3,005	+ ,011	
110	II	28 Ceti		8=51,59	2=51,73	57 51,62	3,005	+ ,004	
112	II	Phœnicis	β	6=45,45	3=45,16	58 45,35	2,698	——	
81	III	181 Andromed.		1= 1,95	2= 1,73	1 1 1,80	3,377	— ,006	
123	II	Phœnicis	ζ	2=28,35	2=28,55	1 28,45	2,542	——	
132	II	Piscium	ζ^1	5=10,27	1=10,32	5 10,28	3,112	+ ,013	
91	III	b Ceti		3= 8,59	3= 8,53	6 8,56	3,009	+ ,017	
135	II	88 Piscium		6=11,00	1=10,99	6 11,00	3,108	+ ,009	
97	III	φ Cassiopeæ		3=48,94	1=49,25	9 49,02	3,696	+ ,008	
98	III	119 ——		2=12,98	2=14,97	10 14,97	3,890	+ ,087	The star observed in 1835 was Piazzi No. 39—Differs—1,42s. from A. S. C.
147	II	37 ——	δ	9= 9,02	4= 9,16	15 9,06	3,790	— ,016	
102	III	242 Piscium		3=14,41	1=14,71	15 14,48	3,096	+ ,005	
158	II	——		5=47,59	2=47,55	19 47,58	3,124	+ ,006	
161	II	Phœnicis	γ	6=14,34	2=14,27	21 14,32	2,619	+ ,017	
164	II	Ceti		5=58,05	3=57,73	21 57,93	2,836	——	
167	II	Phœnicis	δ	5=24,99	3=24,95	24 24,97	2,497	——	

* This may arise from a variation of the proper motion having taken place.

† See errata.

Reference. No.	Vol.	Names.	Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
			s.	s	h. m. s.	s.	s.	
170 of	II	100¹ Piscium	5= 9,60	3= 9,60	1 26 9,60	+3,169	+ ,010	
176 .	II	51 Andromed. R²	6=57,82	1=57,92	27 57,84	3,617	+ ,017	
178 .	II	102 Piscium π	10=24,86	2=24,93	28 24,87	3,168	+ ,004	
133 .	III	g Cassiopeæ	3=21,09	3=20,59	30 20,84	4,468	+ ,044	N. P. D. 20°,13′
135 .	III	49 Mach. Elect.	2= 8,16	2= 8,35	31 8,25	2,817	+ ,021	
138 .	III	137 Cassiopeæ	1=17,86	3=17,83	32 17,84	3,960	+ ,032	
146 .	III	e Rangifer.	3=39,92	4=40,53	38 40,27	5,572	+ ,105	
194 .	II	53 Ceti χ²	6=32,12	6=31,97	41 32,04	2,952	+ ,005	
167 .	III	147 Cassiopeæ	2=57,26	2=57,53	48 57,39	5,624	+ ,088	
170 .	III	150 ———	1= 4,46	3= 5,43	50 5,19	5,435	+ ,020	N. P. D. 14°,42′ ∴ diff=3″,6 of arc.
280 .	II	57 Andromed. γ	9=51,64	2=51,92	53 51,70	3,630	+ ,012	
181 .	III	37 Arietis	3=21,75	3=21,89	54 21,82	3,369	+ ,015	
201 .	III	b Andromed.	1=58,23	3=58,14	2 2 58,16	3,717	+ ,009	
205 .	III	262 ———	2=16,29	2=16,49	4 16,39	3,835	— ,024	
209 .	III	Mach. Elect. β	1=40,97	1=41,26	5 41,11	2,641	+ ,005	
211 .	III	62 Arietis	1=23,59	1=23,57	6 23,58	3,395	+ ,020	
217 .	III	41 Persei	——	1=46,09	7 46,09	4,141	+ ,009	
224 .	III	265 Andromed.	1= 8,99	1= 9,50	10 9,25	3,908	+ ,018	
243 .	II	68 Ceti o	6= 4,18	6= 4,26	11 4,22	3,021	+ ,012	
249 .	II	24 Arietis ξ¹	5= 2,17	1= 2,27	16 2,19	3,197	+ ,008	
253 .	II	12 Trianguli c	5=34,38	3=34,30	18 34,35	3,487	+ ,005	
238 .	III	46 Messoris	4=13,35	4=14,24	19 13,80	5,236	+ ,027	N. P. D. 19°,27′.
256 .	II	Eridani κ	8=58,36	3=58,43	20 58,38	2,199	——	
248 .	III	Ceti	——	4=16,53	23 16,53	2,846	— ,001	
251 .	III	46 Trianguli	4=50,77	3=51,94	25 51,94	3,604	+ ,034	A wrong star observed in 1835.
268 .	II	Ceti	5= 5,87	5= 5,97	27 5,92	3,153	+ ,130	
253 .	III	d¹ ———	2= 7,08	1= 6,86	27 7,01	3,009	— ,005	
256 .	III	418 ———	——	4=18,74	29 18,74	3,167	+ ,021	
279 .	II	———	4=37,66	5=37,07	31 37,40	3,145	— ,010	
283 .	II	34 Arietis μ	5= 8,14	3= 8,07	33 8,12	3,357	+ ,023	the mean is erroneously stated to be 37,83s. i Vol. II.
295 .	II	Hydræ	——	4= 6,06	37 6,06	0,868	——	differs 12s. from A. S. C.
306 .	II	Fornacis β	5=13,72	1=13,77	42 13,73	2,502	+ ,009	
286 .	III	98 Persei	3=13,60	3=13,27	49 13,43	4,208	+ ,005	
324 .	II	Horologii β	——	——	51 ——	1,222	——	*Not now visible.* !
325 .	II	Eridani θ¹	5= 2,76	2= 2,47	52 2,68	2,277	— ,008	
337 .	II	Fornacis	——	——	55 ——	2,663	——	*Not now visible.* !
340 .	II	Persei	6=16,45	3=16,40	57 16,43	4,138	+ ,146	
346 .	II	Arietis	5=43,73	4=43,80	3 0 43,76	3,535	——	differs 4, 28s from A. S. C.
356 .	II	14 Eridani	5=39,45	3=39,20	8 39,36	2,899	+ ,019	
317 .	III	140 Persei	1=28,96	4=29,20	10 29,15	3,981	+ ,002	
318 .	III	63 Cuss. Mess.	3=30,92	3=31,33	10 31,12	5,095	+ ,018	
321 .	III	142 Persei	3=20,25	3=38,38	11 38,38	4,195	+ ,018	A wrong star observed in 1836.
329 .	III	———	3= 1,05	2= 1,36	20 1,17	4,179	+ ,010	Former observations discordant: 27, 8s. is pro bably nearer the truth than the mean.
331 .	III	15 Tauri	3=27,48	3=27,95	20 27,71	3,366	+ ,006	
332 .	III	16 ———	6=30,90	2=31,09	20 30,97	3,116	+ ,005	
333 .	III	Persei	3=35,11	4=35,12	20 35,11	4,187	+ ,004	
337 .	III	149 Eridani	3= 4,93	3= 5,27	22 5,10	2,056	— ,001	
341 .	III	Persei	4=21,19	3=20,97	27 21,10	3,690	— ,003	
399 .	II	41 ——— ν	9= 4,68	3= 4,77	34 4,70	4,035	+ ,019	
358 .	III	Fornacis	3=43,89	3=43,80	35 43,84	2,381	— ,002	

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
				s.	s.	h. m. s.	s.	s.	
363	of III	27 Psalt. Georg.		——	4=33,75	3 36 33,75	+3,053	+ ,007	
365	. III	12 Pleiadum		——	4=37,00	37 37,00	3,543	+ ,017	
369	. III	118 Tauri		4=	2=28,75	39 28,75	3,541	+ ,016	A wrong star observed in 1835.
373	. III	132 ——		1=14,19	2=14,47	40 14,38	3,504	+ ,011	
424	. II	28 Eridani		5=36,75	8=36,82	40 36,80	2,571	— ,033	
374	. III	Fornacis		——	2=42,07	40 42,07	2,436	+ ,006	
378	. III	206 Eridani		——	2=39,60	41 39,60	2,251	+ ,002	
380	. III	H Camelop.		——	3= 1,35	43 1,35	5,200	+ ,015	
445	. II	35 Eridani		6=13,76	1=13,49	53 13,72	3,028	+ ,001	The place of this star as given in Vol. III. is erroneous to the amount of a years precession.
403	. III	171 Tauri		*3= 4,41	3= 4,38	55 4,40	3,224	+ ,022	
455	. II	Reticuli	γ	8=32,79	3=32,82	58 2,80	0,841	——	
454	. II	Tauri		6=36,42	1=36,45	58 36,43	3,418	+ ,007	
421	. III	205 ——		2=45,54	1=45,15	4 6 45,41	3,188	— ,005	
432	. III	o¹ Eridani		——	3=51,35	12 51,35	2,501	+ ,008	Piazzi properly places this star in the constellation Taurus.
433	. III	Z ——		1= 4,47	3= 4,44	13 4,45	3,058	— ,002	
436	. III	220 Persei		*3= 0,43	4= 0,44	14 0,44	3,858	+ ,019	
500	. II	Reticuli	θ	4=51,29	3=51,65	15 51,45	0,643	——	
503	. II	71 Tauri		4= 0,62	3= 0,54	17 0,59	3,395	+ ,025	
508	. II	75 ——		5= 4,29	1= 4,41	19 4,31	3,414	+ ,001	
445	. III	265 ——		1= —	4=11,00	21 11,00	3,388	+ ,013	
447	. III	269 Tauri		——	4=24,32	21 24,32	3,412	+ ,020	
529	. II	88 ——	d	4=38,88	1=39,08	26 38,92	3,280	+ ,007	
463	. III	335 Eridani		——	3=29,77	27 29,77	2,393	— ,001	
465	. III	Scep. Brand.		3=58,03	1=57,56	28 57,92	2,877	— ,005	
467	. III	40 Camelop.		——	3=39,67	30 39,67	6,502	+ ,036	
555	. II	96 Tauri	K	5=21,53	2=21,66	40 21,56	3,419	+ ,014	
499	. III	52 Camelop.		3= 4,30	4= 4,75	44 4,56	7,429	— ,018	
577	. II	10 ——	d'	6=51,51	2=52,29	48 51,71	5,286	+ ,005	
515	. III	Eridani		——	3=40,41	51 40,41	2,829	+ ,003	
518	. III	61 Camelop.		1=57,58	3=57,83	51 57,77	5,176	+ ,010	
523	. III	e Aurigæ		——	3=31,61	54 31,61	5,504	+ ,014	
530	. III	b ——		4=30,87	2=31,08	58 30,94	4,439	+ ,014	
610	. II	Doradus	ζ	7=42,53	4=42,68	5 2 42,58	1,021	——	
622	. II	Columbæ		5=49,99	2=49,70	8 49,91	2,400	+ ,006	
554	. III	2 ——		1=54,00	3=53,87	9 53,90	2,151	+ ,003	
626	. II	Leporis		5= 8,50	3= 8,46	10 8,49	2,750	——	
635	. II	22 Orionis	o	——	6=23,68	13 23,68	3,055	+ ,016	
641	. II	Eridani		6= 2,78	3= 2,62	15 2,73	2,459	+ ,011	
577	. III	367 Tauri		4=49,63	1=49,34	20 49,57	3,609	+ ,006	The place now observed agrees with Piazzi, but differs 8,21s. from A. S. C.
661	. II	25 Aurigæ	χ¹	12= 3,61	3= 3,67	22 3,62	2,941	+ ,011	
594	. III	27 Columbæ		——	3=56,73	26 56,73	1,697	+ ,006	
679	. II	41 Orionis	θ¹	——	6=13,28	27 13,28	2,941	,000	
597	. III	84 Camelop.		4= 3,72	1= 4,16	29 3,81	5,495	— ,014	The place now observed agrees with Piazzi, but differs nearly 5s. from the A. S. C.
691	. II	47 Orionis	ω	6=31,88	3=31,75	30 31,84	3,161	+ ,010	
609	. III	393 Tauri		1=15,34	3=15,11	33 15,17	3,524	+ ,014	
626	. III	Columbæ		1= 5,63	3= 5,51	38 5,54	1,972	+ ,007	
743	. II	Aurigæ		5=42,21	2=42,11	50 42,18	3,765	+ ,006	
658	. III	n Camelop.		——	3=29,06	51 29,06	4,752	+ ,005	
677	. III	Columbæ		1=45,72	4=45,39	59 45,45	1,730	— ,001	
447	. IV	Geminor.	seq.	——	1= 7,54	6 4 7,54	3,663	— ,001	This observation was omitted.

* See errata.

Reference. No.	Vol.	Names.	Mean A. R Jan. 1, 1836 —from former obs	Mean A. R Jan. 1, 1836 —from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
			s.	s.	h. m. s.	s.	s.	
785 of	II	Orionis *l*	*5= 4,65	4= 4,15	6 8 4,43	+3,303	+ ,010	The results in each year agree very well *inter-se*:—this Star must be re-examined.
452 .	IV	Monocer.	——	3=18,65	8 18,65	2,767	+ ,008	These observations were omitted.
703 .	III	25 Monocer.	2=60,70	3=52,04	9 52,04	2,817	— ,017	In 1835 a wrong star appears to have been observed;—on the present occasion the small star mention by P. was observed; preceding 25 min. 15.05*s*.
710 .	III	31 Geminor.	1=33,46	3=33,44	11 33,44	3,586	+ ,007	
716 .	III	9 Lyncis	4=29,06	2=29,52	12 29,21	5,243	— ,001	
718 .	III	Canis Maj.	*1=55,90	2=56,17	14 56,08	2,300	+ ,014	The result in Vol. III belongs to Piazzi, No. 81.
793 .	II	Monocer.	6=39,90	1=39,73	14 39,88	3,158	+ ,005	
——		Geminor.	3=59,24	6=59,20	17 59,21	3,576	+ ,012	Omitted in Vol. III.
799 .	II	15 ——	5= 0,07	6= 0,12	18 0,10	3,576	+ ,009	
728 .	III	11 Navis	4=19,94	2=19,95	18 19,94	2,078	+ ,002	
805 .	II	17 Geminor.	* ——	2=25,28	19 25,28	3,588	——	This Star is now of the 9,10 mag.
739 .	III	120 Camelop.	3=26,42	3=23,56	21 25,04	30,934	+ ,066	N. P. D. = 2°,44′ ∴ diff. = 2″,04 of arc.
758 .	III	50 Geminor.	——	4=32,33	26 32,33	3,474	+ ,007	
760 .	III	26 Navis	——	3=44,05	26 44,05	2,047	+ ,002	
770 .	III	6*v*¹ Canis *præc.*	3=12,14	3=12,26	29 12,20	2,624	+ ,005	
772 .	III	Lyncis	1=20,05	5=20,63	30 20,54	5,326	+ ,007	
774 .	III	22 ——	——	3=27,78	30 27,78	5,114	+ ,019	
783 .	III	Camelop.	——	3=52,60	32 52,60	6,291	+ ,012	
835 .	II	43 —— *q*	6=58,92	6=59,29	35 59,10	6,522	— ,019	This — P. M. partly accounts for the difference (nearly 2″) from the A. S. C.
794 .	III	Monocer.	1=51,29	3=51,47	37 51,43	3,254	+ ,013	
795 .	III	49 Navis	1=54,82	2=55,08	37 54,99	1,999	+ ,039	
840 .	II	18 Monocer. *h*	6=18,56	1=18,28	39 18,52	3,128	+ ,005	
807 .	III	29 Lyncis	4=10,95	3=11,24	43 11,07	5,148	+ ,014	
848 .	II	13 Can. Maj. *κ*²	19=43,04	1=43,04	43 43,04	2,238	+ ,004	
855 .	II	Geminor.	6=44,21	3=44,17	46 44,20	3,492	+ ,010	
814 .	III	Lyncis	3= 6,34	1= 6,69	47 6,43	5,143	+ ,009	
827 .	III	131 Camelop.	*3=54,07	3=56,23	53 55,15	11,802	— ,036	N. P. D. = 8°,27′
832 .	III	Monocer.	——	4=18,50	54 18,50	2,977	+ ,013	
888 .	II	51 Geminor.	12=56,99	1=57,25	7 3 57,02	3,447	+ ,007	
901 .	II	Piscis. Vol. *γ*	6= 6,92	4= 6,48	10 6,74	—0,475	——	
881 .	III	Lyncis	1=48,03	2=48,31	11 48,22	+5,013	+ ,003	
891 .	III	144 Geminor.	——	3=20,90	14 20,90	3,740	+ ,011	
910 .	III	Navis	1= 9,63	3= 9,49	22 9,52	2,380	+ ,014	
925 .	III	153 Camelop.	5=47,51	3=49,02	28 48,08	10,586	+ ,198	
936 .	III	——	——	3=33,56	32 33,56	10,237	+ ,019	
954 .	III	Off. Typ.	——	3=48,67	40 48,67	2,815	+ ,015	
966 .	III	——	1=51,54	3=51,53	44 51,53	2,781	+ ,011	
974 .	II	11 Argus	6=48,72	3=48,74	49 48,73	2,578	+ ,003	
980 .	III	Camelop.	4=43,11	3=43,38	51 43,23	4,972	+ ,005	
982 .	II	Argus *χ*	8=36,26	2=36,26	52 36,26	1,530	——	
988 .	II	55 Camelop.	6=23,61	3=23,77	56 23,67	6,107	——	
993 .	III	Navis	1=11,31	2=11,51	57 11,41	2,659	+ ,015	
997 .	II	Cancri	——	6=19,62	8 2 19,62	3,278	+ ,004	
1024 .	II	—— *φ*²	——	6=51,22	16 51,22	3,643	+ ,001	
1029 .	II	Argus	6=59,24	2=59,25	17 59,24	2,589	+ ,026	
1038 .	II	34 Cancri	6=44,34	4=43,86	23 44,15	3,271	+ ,014	
1041 .	II	Monocer.	5= 8,94	2= 9,07	24 8,98	2,696	+ ,022	
1049 .	II	Cancri	5=25,79	2=25,83	30 25,80	3,457	+ ,016	
1057 .	III	102 Cancri	4=56,91	1=56,76	30 56,88	3,457	+ ,020	
1055 .	II	——	9= 2,12	1= 1,95	31 2,10	3,456	+ ,003	

* See errata.

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836—from former obs.	Mean A. R. Jan. 1, 1836—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
				s.	s.	h. m. s.	s.	s.	
1067 of	III	Navis	d	1=32,08	2=32,78	8 38	+2,139		The Paramatta obs. differ 3s. from this result.
1068 .	III	133 Cancri		3=38,48	2=38,98	39 38,68	3,307	+ ,020	
1105 .	II	Argus	c	20=30,25	4=29,69	58 30,16	2,068	———	The Paramatta observations with the Transit, differ 1,32s from this result.
1109 .	III	209 Cancri		3=51,10	3=51,39	9 0 51,24	3,272	+ ,004	
1112 .	II	Pixid Naut.		6=50,94	2=51,38	0 51,05	1,498	+ ,012	
1118 .	III	Hydræ		5=51,00	1=51,02	6 51,03	2,935	+ ,008	
1121 .	III	Navis	k^1	8=25,11	2=25,20	8 25,13	2,384	— ,008	
1127 .	II	24 Hydræ		5=38,94	1=39,51	8 39,03	2,940	— ,009	
1132 .	II	Leonis		5=37,50	4=37,62	11 37,55	3,523	———	
1148 .	II	Ursæ Maj.	d	10=50,55	3=50,88	19 50,63	5,500	— ,021	N. P. D. 19°,26′.
1155 .	II	Leonis	h	6= 9,79	3= 9,87	23 9,82	3,224	+ ,022	
1162 .	III	88 Ursæ Maj.		4=40,50	3=41,07	27 40,74	5,761	— ,016	
1185 .	III	66 Leonis		———	3=30,97	38 30,97	3,370	+ ,022	
1191 .	II	9 Sextantis		6=32,30	2=32,57	45 32,37	3,143	+ ,011	
1226 .	II	Autl. Pneum.		6=37,14	3=37,33	10 10 37,20	2,739	+ ,013	
1233 .	II	Leonis	z	———	1=25,38	14 25,38	3,145	+ ,002	
1256 .	III	Leonis		———	3=56,91	16 56,91	3,166	+ ,011	
1260 .	III	Sextantis		———	3=12,77	19 12,77	3,067	+ ,012	
1246 .	II	28 ———	k	5= 8,25	5= 8,94	21 8,60	3,050	— ,004	
1268 .	III	Ursæ Maj.		3=24,11	1=23,81	23 24,04	3,828	+ ,009	
1270 .	II	34 Sextantis		7= 9,45	3= 9,39	34 9,43	3,106	+ ,033	
1275 .	II	36 ———		4=42,77	3=42,54	36 42,67	3,096	+ ,015	
1276 .	II	Argus		18= 7,49	2= 7,56	37 7,50	2,117	———	
734 .	IV	Sextantis		5= 4,67	2= 4,97	42 4,76	3,006	+ ,032	These observations were omitted in the Catalogue.
1311 .	III	Hydræ		———	3=28,71	46 28,71	2,920	— ,007	
1294 .	II	Argus	u	11=51,61	4=51,48	46 51,58	2,396	———	
1328 .	III	Leonis	p^1	3=13,16	2=13,20	55 13,18	3,073	+ ,009	
1329 .	III	216 Ursæ Maj.		3=22,96	1=22,98	55 22,96	3,369	+ ,014	
748 .	IV	Leonis		1= 4,71	4= 4,70	58 4,70	3,118	+ ,008	These observations were omitted in the Catalogue.
1341 .	III	Ursæ Maj.		3=10,40	2=10,55	11 0 10,46	3,558	+ ,006	
1344 .	III	223 Ursæ Maj.		3=57,36	1=57,64	1 57,43	3,447	+ ,010	
1350 .	III	———		1= 4,84	3= 4,90	5 4,89	3,500	+ ,010	
1353 .	III	322 Leonis		2=22,26	1=22,20	7 22,24	3,141	+ ,029	
1368 .	III	Hydræ	X^1	1=17,51	2=17,27	15 17,35	2,886	+ ,011	
1370 .	III	370 Leonis		3=43,89	4=43,67	16 43,76	3,097	+ ,006	
1376 .	III	Hyd. & Crat.		1=15,20	2=14,88	19 14,99	3,020	+ ,016	
1353 .	II	———		7=36,20	2=36,14	23 36,18	3,047	+ ,003	
1354 .	II	17 Crateris		6= 9,45	2= 9,25	24 9,40	2,955	— ,014	
1355 .	II	———		5=27,97	3=27,76	24 27,89	3,043	+ ,016	
1411 .	III	Hydræ	o	1= 4,55	3= 4,86	32 4,78	2,960	— ,006	
1416 .	III	———	V	3=33,75	1=33,75	33 33,75	2,974	+ ,013	
1427 .	III	Leonis		1=31,72	3=32,14	40 32,03	3,099	— ,004	
1388 .	II	Virginis		6=38,31	4=38,25	52 38,29	3,067	+ ,007	
1454 .	III	Corvi		1=36,91	3=36,61	11 54 36,69	3,056	+ ,007	
1400 .	II	3 ———		5=38,34	4=38,12	12 2 38,25	3,074	+ ,014	
1406 .	II	Crucis	δ	13=29,50	4=28,90	6 29,37	3,125	———	Differs 2s. + from A. S. C.
1493 .	III	Virginis	g	3=45,06	2=45,60	9 45,28	3,071	+ ,006	
1496 .	III	18 Canum Ven.		———	1=14,56	10 14,56	3,028	+ ,006	
1412 .	II	13 Virginis	n	14=16,05	4=16,19	10 16,08	3,068	+ ,011	
1500 .	III	45 Comæ Ber.		1=16,52	3=16,26	11 16,33	3,031	,000	

Reference. No. Vol.	Names.	Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
		s.	s.	h. m. s.	s.	s.	
1501 of III	19 Draconis.	——	3=25,96	12 11 25,96	+2,796	+ ,069	
1503 . III	26 Corvi.	1=42,05	3=42,06	11 42,06	3,095	— ,007	
1516 . III	Comæ Ber.	——	3=49,16	15 49,16	3,021	+ ,011	
1445 . II	20 Virginis.	5=44,86	4=44,87	24 44,86	3,040	+ ,006	
1540 . III	Corvi.	2=29,34	3=29,27	25 29,30	3,130	+ ,028	
1544 . III	Comæ Ber.	1=35,20	3=35,78	26 35,64	2,995	+ ,007	
1460 . II	26 Virginis *x*	6=47,53	4=47,35	30 47,46	3,090	+ ,011	
1562 . III	311 Virginis.	1=10,19	3=10,23	38 10,22	3,028	+ ,013	
1577 . III	Comæ Ber.	3= 5,97	1= 6,27	43 6,04	2,977	+ ,011	
828 . IV	—— *pre.*	2=47,65	3=47,82	43 47,71	2,975	+ ,038	These were omitted in the Catalogue.
1578 . III	——	3=47,69	1=48,12	43 47,79	2,975	+ ,017	
1598 . III	Centauri.	3= 4,52	3= 4,24	52 4,38	3,262	— ,004	
1604 . III	—— *q*	1=45,19	4=44,90	54 44,96	3,277	+ ,010	
1503 . II	14 Canum Ven. *f*	——	3= 3,98	58 3,98	2,820	+ ,011	
1615 . III	456 Virginis.	1=16,08	3=16,14	13 2 16,12	3,126	— ,003	
1619 . III	Centauri. *m*	1=56,37	3=56,03	2 56,12	3,341	— ,018	
1639 . III	205 Comæ Ber.	3=15,86	1=15,77	12 15,84	2,928	+ ,015	
1649 . III	Ursæ Maj.	3=18,96	2=18,83	18 18,93	2,410	+ ,013	
1659 . III	—— *y*	3=25,40	1=25,28	22 25,37	2,227	+ ,002	
1660 . III	Virginis.	*3=22,83	2=22,90	23 22,86	3,080	— ,043	
1668 . III	7 Bootis.	——	3=57,60	26 57,60	2,951	+ ,009	
1694 . III	Virginis.	1=11,23	3=11,17	37 11,19	3,169	— ,004	
1565 . II	86 —— *o*	6=12,68	1=12,94	37 12,72	3,180	+ ,010	
1568 . II	3 Bootis.	——	3= 6,29	39 6,29	2,789	+ ,005	
1570 . II	Centauri *v*	——	2=42,19	39 42,19	3,553	+ ,005	
1728 . III	Bootis.	3=45,13	2=45,05	50 45,10	2,897	+ ,004	
1594 . II	Virginis.	5=26,72	1=26,48	51 26,68	3,148	+ ,012	
1608 . II	96 —— *y*	7=16,99	2=16,86	14 0 16,95	3,180	+ ,010	
1753 . III	——	2=37,15	3=37,30	1 37,24	2,936	+ ,010	
1759 . III	642 ——	3=17,73	3=17,39	3 17,51	3,131	+ ,013	
936 . IV	Bootis.	3=40,28	3=40,30	4 40 30	2,961	+ ,007	These observations were omitted in the Catalogue.
1768 . III	—— *κ*	3=36,19	1=36,32	7 36,22	2,146	+ ,028	
1627 . II	18 —— *t*	——	4=20,16	11 20,16	2,891	+ ,019	
1630 . II	7 Hydræ.	6=40,13	1=39,97	13 40,11	3,442	— ,002	
1633 . II	Solitarii.	——	4=28,47	15 28,47	3,399	+ ,009	
1795 . III	Bootis.	——	2=34,29	18 34,29	2,792	+ ,009	
1801 . III	Hydræ.	——	2= 0,18	21 0,18	3,489	— ,018	
954 . IV	Virginis.	4= 2,10	1= 1,84	25 2,05	3,153	+ ,009	This observation was omitted in the Catalogue.
1822 . III	——	3=36,06	2=35,80	28 35,96	3,113	— ,001	
963 . IV	Libræ.	2=28,51	2=28,46	33 28,48	3,236	— ,004	These observations were omitted in the Catalogue.
1671 . II	11 Hydræ.	——	4=51,50	37 51,50	3,462	+ ,014	
1673 . II	Libræ.	——	4=55,37	37 55,37	3,387	+ ,011	
1676 . II	13 Hydræ.	——	4=23,19	38 23,19	3,481	+ ,008	
1854 . III	Libræ.	2=25,49	1=25,61	45 25,53	3,064	+ ,007	
1690 . II	——	5=54,30	5=54,55	47 54,42	3,404	+ ,079	Differs 3*s.* from A. S. C. See Piazzi's Note.——
1696 . II	1 Serpentis.	——	4= 9,15	49 9,15	3,060	+ ,011	
1698 . II	Bootis.	——	3=32,96	49 32,96	2,792	+ ,006	
1702 . II	Libræ.	6=25,37	2=25,37	53 25,37	3,179	+ ,005	
1707 . II	41 Bootis. *ω*	——	4=55,57	54 55,57	2,642	+ ,016	
1709 . II	Libræ	——	3=42,12	56 42,12	3,456	+ ,017	

* See errata.

Reference. No. Vol.	Names.	Mean A. R. Jan. 1, 1836.—from former obs	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	REMARKS.
		s.	s.	h. m. s.	s.	s.	
1879 of III	33 Ursæ Min.	——	2=12,87	14 56 12,87	—0,537	+ ,019	
1885 . III	—— ——	2= 4,36	3= 5,13	58 4,82	—0,567	+ ,012	N. P. D. 14°,28′.
1718 . II	Lupi κ^1	——	5=34,63	15 0 34,63	+4,121	——	π^3 follows at 0m. 36,16s.
1719 . II	46 Bootis *b*	——	3=19,10	1 19,10	2,585	+ ,009	
1720 . II	——	——	3=26,84	1 26,84	2,610	+ ,004	
1898 . III	97 Libræ	3=12,84	3=12,81	5 12,82	3,378	— ,001	
1727 . II	3 Serpentis	——	4= 2,57	7 2,57	2,973	+ ,004	
1736 . II	5 ——	——	4=56.95	10 56.95	3,026	+ ,032	
1737 . II	Bootis	——	4= 3,45	11 3,45	2,685	+ ,003	
1743 . II	6 Serpentis	——	4=41,54	12 41,54	3,045	+ ,024	
1906 . III	Cor. Bor. *o*	3=21,68	1=21,65	13 21,67	2,487	+ ,003	
1744 . II	30 Libræ o^2	——	2=53,90	13 53,90	3,327	+ ,008	
1001 . IV	Cor. Bor.	2=32,82	1=32,58	13 32,74	2,484	+ ,001	This observation was omitted in the Catalogue.
1752 . II	Libræ	——	3=55.57	20 55,67	3,375	——	
1757 . II	Triang. Aust. ε	——	4=49,09	21 49,09	5,349	——	
1763 . II	37 Libræ f^1	7=13,30	1=13,48	25 13,32	3,242	+ ,023	
1768 . II	39 ——	——	3= 5,22	27 5,22	3,615	+ ,006	
1769 . II	Scorpii	——	2=39,18	27 39,18	3,574	+ ,010	
1771 . II	15 Serpentis	——	2= 6,20	28 6,90	2,721	+ ,003	
1772 . II	14 —— A[1]	——	2= 9,37	28 9,37	3,068	+ ,006	
1773 . II	Libræ	——	2=18,69	28 18,69	3,619	+ ,008	
1776 . II	18 Serpentis τ^2	——	2=56,04	28 56,04	2,752	+ ,009	
1778 . II	41 Libræ ϕ	——	3=29,14	29 29,14	3.427	+ ,021	
1779 . II	Lupi *g*	——	1=54,55	29 54,55	4.093	+ ,071	
1790 . II	8 Cor Bor. γ	——	4=51,45	35 51,45	2,522	+ ,010	
1792 . II	15 Ursæ Min. θ	——	4=26,03	36 26,03	—1,977	— ,034	
1804 . II	36 Serpentis *b*	——	4=43.51	42 43,52	+3,118	+ ,003	
1805 . II	10 Cor. Bor. δ	——	4=43,11	42 43.11	2,516	+ ,002	
1808 . II	Scorpii f^1	——	4= 8,10	44 8,10	3,561	+ ,033	
1965 . III	Lupi ξ	3=25,60	2=25,51	46 25,56	3,806	+ ,006	
1032 . IV	—— ξ^2	——	2=26,17	46 26,17	3,807	+ ,020	These were emitted in the Catalogue.
1966 . III	100 Serpentis	3=45,22	4=45,14	46 45,17	2,890	+ ,012	
1817 . II	Serpentis	——	4=21,13	47 21.13	2,643	— ,002	On the 11th June 1837 a star was observed at the Transit, following at 0, 42s.
1821 . II	Lupi η	——	4=16.60	49 16,60	3,943	+ ,002	
1824 . II	16 Ursæ Min.	——	4= 4,50	50 4,50	—2,371	+ ,023	
1835 . II	Lupi θ	——	4=50,77	55 50,77	+3,909	+ ,011	
1987 . III	——	3=30,36	4=30.52	56 30,45	3,911	+ ,012	
1988 . III	——	——	2=49,15	56 49,15	3,911	+ ,008	
1839 . II	6 Herculis υ	——	4=41,55	57 41,55	1,856	+ ,019	
1838 . II	10 Scorpii ω^2	——	3=48,01	57 48,01	3,496	+ ,013	
1992 . III	Serpentis	——	1= 2,75	58 2,75	2,857	+ ,003	
1847 . II	7 Herculis κ^1	——	2=40,51	16 0 40,51	2,703	+ ,002	
1848 . II	Scorpii	——	2=51,89	0 51,89	3,709	— ,001	
1850 . II	13 —— c^2	——	2=13,01	2 13,01	3,673	,000	
1853 . II	16 ——	——	3=14,68	3 14,68	3,234	+ ,012	
1855 . II	48 Serpentis	——	3= 3,38	4 3,38	2,708	+ ,005	
1856 . II	10 Herculis T	——	4=39,14	4 39,14	2,549	+ ,004	
2014 . III	37 ——	3=12,79	1=13,17	8 12,88	2,656	+ ,010	
1866 . II	Scorpii *h*	——	4=11,43	9 11,43	3,764	+ ,016	
2018 . III	101 ——	1=29,02	3=29,47	10 29.36	3,492	+ ,020	

Reference. No. Vol.	Names.	Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
		s.	s	h. m. s.	s.	s.	
1058 of IV	Scorpii *præc.*	1=55,11	1=55,16	16 10 55,14	+3,494	+ ,001	Omitted in the Catalogue.
1059 . IV	——— *seq.*	1=55,69	1=55,49	10 55,59	3,494	— ,006	Do. Do.
1877 . II	5 Ophiuchi *g*	3=45,65	2=46,00	15 45,79	3,578	+ ,004	
1881 . II	21 Cor. Bor. ν^2	——	4=18,75	16 18,75	2,255	+ ,017	
1072 . IV	Scorpii	4= 2,53	3= 2,34	20 2,45	3,627	+ ,012	
1888 . II	22 Scorpii *i*	——	4=15,41	20 15,41	3,626	+ ,010	
2076 . III	Ursæ Min.	——	4= 1,41	35 1,41	—3,528	— ,021	
2078 . III	Draconis	——	4= 1,18	36 1,18	+0,771	+ ,007	
2080 . III	——— .	——	4=22,05	37 22,05	1,179	+ ,027	
1086 . IV	Scorpii	——	1=25,35	39 25,35	4,183	— ,010	This observation was omitted in the Catalogue
1921 . II	Scorpii μ^2	——	3=14,78	41 14,78	4,040	+ ,005	
2094 . III	151 ———	3=32,42	2=32,68	42 32,52	4,185	— ,001	
2097 . III	150 Scorpii *var.*	——	2=42,10	42 42,10	4,187	+ ,026	
2101 . III	Draconis	——	4=30,11	43 30,11	1,217	+ ,035	
1930 . II	51 Herculis X^2	——	2=57,48	44 57,48	2,480	+ ,005	
1929 . II	Aræ ζ	——	2= 5,16	45 5,16	4,922	——	
1933 . II	——— ε	——	2=32,73	46 32,73	4,743	——	
1938 . II	54 Herculis	——	2= 9,84	48 9,84	2,638	— 0,03	
1939 . II	Ophiuchi	——	4=55,99	49 55,99	3,657	+ 0,13	
2113 . III	90 ———	——	3=59,30	49 59,30	3,429	+ 0,12	
1942 . II	Ophiuchi	5=12,08	1=12,07	50 12,08	3,481	+ ,016	
2119 . III	Herculis	——	6=32,23	52 32,23	2,818	+ ,010	
2123 . III	103 Ophiuchi	——	4=38,89	54 38,89	3,677	+ ,002	
1950 . II	19 Draconis *h*	3=8,07	2= 8,57	55 8,27	0,266	+ ,048	N. P. D. = 24°,36′.
2125 . III	122 ———	1=36,84	2=37,39	55 37,21	0,279	+ ,004	N. P. D. = 24°,43′.
1953 . II	32 Ophiuchi	——	4=37,36	55 37,36	2,740	+ ,013	
1956 . II	———	——	4= 5,62	57 5,62	3,083	+ ,011	
1958 . II	———	4=43,99	2=44,12	58 44,03	3,471	+ ,007	
2139 . III	Herculis	——	3=28,93	17 0 28,93	1,581	+ ,020	
1965 . II	29 Scorpii	——	3= 2,39	4 2,39	3,722	+ ,010	
2150 . III	Draconis	——	3=38,77	4 38,77	1,146	— ,002	
2154 . III	129 ———	——	2=13,31	6 13,31	0,688	+ ,012	
2155 . III	Herculis	3=20,03	2=20,35	6 20,16	2,725	+ ,007	
1973 . II	39 Ophiuchi *o*	——	2= 1,15	8 1,15	3,650	+ ,001	
1974 . II	———	——	2= 6,76	8 6,76	3,644	+ ,020	
1977 . II	22 Draconis ζ	——	2=19,52	8 19,52	0,153	+ ,004	
1979 . II	Ophiuchi	——	2=21,09	10 21,09	3,481	+ ,009	
1983 . II	Aræ γ	——	2=36,94	11 36,94	5,019	——	Differs 1″,60 from A. S. C.
1984 . II	——— β	——	2=41,29	11 41,29	4,958	——	
2174 . III	Ophiuchi	3=53,77	2=53,70	16 53,75	3,580	+ ,005	
2004 . II	Ophiuchi	2=28,06	3=27,96	20 28,00	3,057	+ ,003	
2014 . II	54 ———	——	2=49,30	26 49,30	2,756	+ ,022	
2195 . III	Herculis	——	3=52,21	28 52,21	1,521	+ ,009	
2022 . II	24 Draconis ν^1	——	2=57,27	28 57,27	1,156	+ ,029	
2023 . II	25 ——— ν^2	——	2= 2,42	29 2,42	1,157	+ ,028	
2030 . II	27 Draconis *f*	1=37,86	2=38,00	32 37,95	—0,290	+ ,003	
2213 . III	323 Herculis	——	3=59,30	34 59,30	+2,458	+ ,008	
1185 . IV	83 ———	2=45,14	2=45,09	35 45,11	+2,458	+ ,001	
2217 . III	144 Draconis	——	1=13,76	37 13,76	—1,668	— ,022	
2220 . III	Ophiuchi	2=54,13	3=54,57	37 54,40	+2,929	+ ,003	

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
				s.	s.	h. m. s.	s.	s.	
2041 of	II	28 Draconis	ω	3=54,65	2=55,19	17 37 54,87	−0,367	+ ,005	
2221 .	III	Ophiuchi		*4=55,07	4=55,23	37 55,15	+2,934	+ ,006	
2222 .	III	———		——	2=39,44	38 39,44	2,932	+ ,015	
1194 .	IV	———		2= 0,46	1= 0,18	39 0,37	2,934	+ ,009	This observation was omitted in the Catalogue.
2047 .	II	Sagittarii		——	1=39,86	40 39,86	3,852	+ ,014	
2232 .	III	Telescopii		——	2=57,63	41 57,63	3,969	+ ,018	
2233 .	III	Ophiuchi		——	1= 7,13	42 7,13	3,539	+ ,010	
2234 .	III	Telescopii		——	1=27,08	42 27,08	3,996	+ ,004	
236 .	III	———		1=58,90	1=59,14	42 59,02	3,992	+ ,002	
246 .	III	356 Herculis	η	——	3=46,06	45 46,06	1,563	+ ,020	
251 .	III	Herculis		——	2=44,75	46 44,75	1,948	+ ,010	
062 .	II	6 Sagittarii		——	2=51,71	51 51,71	3,480	− ,005	
063 .	II	———		1=58,34	5=58,45	51 58,43	3,628	+ ,004	
064 .	II	66 Ophiuchi	n	——	1= 8,54	52 8,54	2,970	+ ,001	
065 .	II	94 Herculis	ν	——	2=13,92	52 13,92	2,291	+ ,018	
261 .	III	19 Sagittarii		——	1=35,27	52 35,27	3,632	,000	
067 .	II	7 ———	a	4=48,53	1=48,13	52 48,45	3,670	+ ,007	Differs 1,5s. from A. S. C.
069 .	II	Sagittarii		——	1=50,52	52 50,52	3,573	+ ,002	
070 .	II	Tauri Pon		——	1=53,21	52 53,21	2,921	+ ,019	
073 .	II	Aræ	θ	——	1=52,35	53 52,35	4,665	——	
264 .	III	Sagittarii		——	1=59,71	53 59,71	3,630	+ ,002	
266 .	III	Telescopii	B	3=58,67	1=58,55	54 58,64	4,333	− ,011	
268 .	III	Draconis		——	2=54,77	55 54,77	−2,743	+ ,017	
084 .	II	———		——	5=47,15	56 47,15	−2,710	− ,018	
083 .	II	Sagittarii		——	3=21,71	57 21,71	+3,593	+ ,012	
281 .	III	Sagittarii		——	1=22,24	18 0 22,24	3,721	− ,006	
246 .	IV	———		3=29,20	2=29,15	7 29,18	4,085	− ,003	These observations were omitted in the Catalogue.
298 .	III	Clyp. Sob.		1=20,80	2=20,96	12 20,91	3,460	+ ,008	
09 .	II	58 Serpentis	η	——	3=49,70	12 49,70	3,092	− ,008	
10 .	II	20 Sagittarii	ε	7=17,15	1=17,21	13 17,16	3,983	− ,001	
19 .	II	Pavonis	ν	——	2= 3,37	16 3,37	5,615	——	
06 .	III	167 Draconis		3=13,70	2=14,10	16 13,86	−0,350	+ ,005	
11 .	III	Sagittarii		2= ——	4=15,87	19 15,87	+3,938	+ ,009	
25 .	II	Clyp. Sob.		6=50,94	3=51,17	19 51,02	3,416	——	
26 .	II	Sagittarii	v^1	2=19,50	1=19,57	20 19,52	3,935	+ ,001	
27 .	II	Clyp. Sob.		——	3=25,89	20 25,89	3,417	——	
35 .	II	Sagittarii	v^2	——	1=12,05	23 12,05	3,936	− ,001	
36 .	II	———		——	5=13,04	23 13,04	3,666	+ ,009	
67 .	IV	———		2=19,86	1=20,00	23 19,91	3,933	+ ,004	
37 .	II	Clyp. Sob.	s^1	——	3=21,57	23 21,57	3,424	+ ,004	This observation was omitted in the Catalogue.
40 .	II	Sagittarii		——	2=33,79	23 33,79	3,512	+ ,007	
38 .	II	Pavonis	ζ	——	2=49,46	23 49,46	7,054	——	Differs −2,65s. from A. S. C.
41 .	II	24 Sagittarii		1=52,54	1=52,47	23 52,50	3,666	,000	——— +2,19s——Paramatta Obs.
42 .	II	Clyp. Sob.	s^2	——	3=16,96	24 16,96	3,423	+ ,011	
24 .	III	Sagittarii		1=41,61	1=41,35	24 41,48	3,931	− ,003	
28 .	III	Lyræ		1=21,66	1=22,40	27 22,15	2,005	+ ,009	The observation in 1835 is in complete, and marked "*faint*".—I have given it half the credit of the other.
51 .	II	Clyp. Sob.		——	2=20,28	28 20,28	3,483	+ ,006	
52 .	II	Sagittarii		——	2=32,62	28 32,62	3,649	+ ,015	
53 .	II	Herculis		——	2=40,20	28 40,20	2,492	− ,008	
54 .	II	Sagittarii		——	3= 6,74	29 6,74	3,582	+ ,002	

* See errata.

Reference. No.	Vol.	Names.	Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
			s.	s.	h. m. s.	s.	s.	
2332	of III	37 Lyræ	*2=51,63	2=52,52	18 29 52,07	+2,004	+ ,002	
2340	. III	14 Cor. Aust.	3=33,46	1=33,38	32 33,44	4,172	— ,021	
1281	. IV	—— ——	1=35,51	1=35,82	32 35,66	4,172	— ,019	This observation was omitted in the Catalogue
2347	. III	Lyræ	——	3=35,81	36 35,81	2,095	+ ,005	
2183	. II	Sagittarii	2= 5,08	2= 5,07	46 5,04	3,634	+ ,013	
2366	. III	Sagittarii	——	1=38,75	46 38,75	3,632	+ ,015	
2193	. II	64 Serpentis	1= 2,12	2= 1,83	49 1,92	3,015	+ ,011	
2389	. III	114 Lyræ	3=48,19	3=47,85	56 48,02	1,693	+ ,014	
1350	. IV	Aquilæ	3=58,76	2=58,71	19 6 58,74	2,864	+ ,026	These were omitted in the Catalogue.
1354	. IV	——	2=16,54	1=16,66	8 16,58	2,864	+ ,009	Do. Do. Do.
2236	. II	Sagittarii	——	1=38,92	9 38,92	3,430	— ,004	
2244	. II	—— β^2	——	1=21,36	11 21,36	4,346	— ,012	
2246	. II	——	——	1= 0,08	12 0,08	3,519	— ,003	
2247	. II	28 Aquilæ A	——	1= 0,23	12 0,22	2,796	— ,001	
2249	. II	27 —— *d*	——	1= 8,08	12 8,01	3,095	+ ,009	
2264	. II	Sagittarii	1= 6,07	2= 6,03	17 6,04	3,403	+ ,008	
2269	. II	4 Vulpeculæ	——	2=17,05	18 17,05	2,623	+ ,014	
2271	. II	3 Cygni	——	2=38,66	18 38,66	2,491	— ,009	
2272	. II	60 Draconis τ	——	2=39,41	18 39,41	—1,057	+ ,036	N. P. D. 16°,54′.
1387	. IV	Anseris	2=18,18	1=18,47	19 18,28	+2,621	+ .005	This observation was omitted in the Catalogue.
2427	. III	19 Cygni	3= 5,81	3= 5,82	20 5,81	1,571	+ ,012	
2276	. II	Sagittarii	5= 9,76	2= 9,72	21 9,75	3,566	+ ,005	
2446	. III	39 Cygni	3=45,26	2=45,29	27 45,27	1,272	+ ,007	
2447	. III	Sagittarii	——	2=50,20	27 50,20	3,298	+ ,007	
1430	. IV	Sagittæ	3= 5,55	1= 5,35	34 5,50	2,674	+ ,009	These observations were omitted in the Catalogue.
1436	. IV	Sagittæ	2=18,86	1=18,75	35 18,83	2,670	+ ,016	
1437	. IV	——	4=28,18	2=28,23	35 28,20	2,680	+ ,004	
2464	. III	73 Cygni	2=27,59	2=27,27	37 27,43	1,610	— ,001	
2465	. III	Aquilæ *v*	2=41,29	1=41,43	37 41,33	2,914	+ ,017	
2468	. III	Cygni	3=38,64	2=38,60	39 38,63	2,197	+ ,005	
2478	. III	Aquilæ	3=23,05	1=22,76	44 22,98	2,830	— ,014	
2481	. III	25 Sagittæ	3= 3,02	1= 2,95	45 3,00	2,673	+ ,002	
2482	. III	187 Aquilæ	3=44,52	2=44,85	45 44,65	3,250	— ,017	
1475	. IV	——	3= 5,91	2= 5,80	54 5,87	2,835	+ ,004	These observations were omitted in the Catalogue
2505	. III	18 Cephei	——	2=38,96	55 38,96	1,242	+ ,022	
2363	. II	63 Aquilæ τ	——	3= 7,66	56 7,66	2,929	+ ,009	
2365	. II	15 Sagittæ *z*	5=44,34	2=44,13	56 44,28	2,686	+ ,002	
2510	. III	Draconis c^1	——	2=43,32	59 43,32	0,657	+ ,011	
2370	. II	17 Vulpeculæ *i*	5=50,36	1=50,56	59 50,39	2,573	— ,008	The result in Vol. II. belongs to Piazzi No. 12
2524	. III	Antinous	2=	1=52,27	20 2 52,27	3,080	+ ,015	

* It has long been a subject of great perplexity to me—that the discordances to be met with among observations, should occasionally so far exceed the probable, and even what one could suppose—the possible limits of error; this complaint however, is not altogether new;—for, so far back as 1825, Mr. Pond remarked that the results of observations of the Star *Regulus* derived from the two Mural Circles at Greenwich, differed, to an amount exceeding that which could reasonably be attributed either to the observers, or to the Instruments; be this as it may—the discordance which here occurs is so singularly large, that it merits particular investigation;—according I have examined and re-examined again and again every figure of the computation, in the hope of finding an error, or some circumstance, whereby the credit of the observer and instrument might be vindicated; the only circumstances which affect the two observations in the one case from those in the other, are, differerent observers,—and, that in the former observatoins a *Lyræ* was observed in conjunction with this star (it being in the field with it):—this latter circumstance may appear trifling; but I have noticed, that any disturbance of the observer's attention, such as being hurried to observe a second star, invariably causes him to note the time *too soon*.

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836—from former obs.	Mean A. R. Jan. 1, 1836—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precess.	Annual P. M.	Remarks.
				s.	s	h. m. s.	s	s.	
2379 of	II	19 Vulpeculæ		3=57,28	2=56,87	20 4 57,12	+2,503	+ ,027	These have been omitted in the Catalogue.
2534 .	III	Cygni	b^3	1=23,68	1=23,68	8 23,68	2,236	+ ,015	
1530 .	IV	———		1=31,77	3=31,69	8 31,71	2,239	+ ,003	These were omitted in the Catalogue.
2390 .	II	18 Sagittæ		5= 7,56	2= 7,49	3 7,54	2,632	+ ,013	
1540 .	IV	Antinoi		3=23,88	2=23,97	12 23,91	3,202	+ ,011	
1542 .	IV	Capricorni		2= 5,80	1= 6,02	13 5 87	3,395	+ ,015	
2546 .	III	Cephei		——	2=31,76	13 31,76	−1,905	+ ,097	N. P. D. 12°,40′ ∴ P. M. = 0″,30 of arc.
2567 .	III	Cygni		——	5=50,70	23 50,70	+1,836	+ ,007	
2575 .	III	Ursæ Min.	λ	——	1=54,00	24 54,00	−49,116	+ ,094	N. P. D. 1°,11′ ∴ P. M. = 0″,03 of arc.
2420 .	II	46 Cygni	ω^3	1=15,52	2=15,26	26 15,35	+1,848	+ ,012	
1598 .	IV	Aquarii		2=21,34	1=21,47	26 21,38	3,248	— ,004	This observation was omitted in the Catalogue.
2576 .	III	53 Capricorni		3=31,30	1=31,20	28 31,28	3,407	+ ,019	
2431 .	II	27 Vulpeculæ	p	——	2= 5,11	30 5,11	2,554	+ ,011	
2434 .	II	8 Delphini	θ	6=59,65	1=59,55	30 59,63	2,829	+ ,011	
2433 .	II	1 Aquarii		——	2= 0,41	31 0,41	3,070	+ ,009	
2592 .	III	Delphini		1=26,69	2=26,44	34 26,52	2,750	+, 016	*Not now visible!*
1642 .	IV	Aquarii		——	——	36 ——	——	——	This observation was omitted in the Catalogue.
2603 .	III	61 Cephei		——	1=37,71	38 37,71	−3,109	+ ,023	The A. R. observed in 1833 pertains to another star—the place in the A. S. C. must be wrong, or the star has disappeared.
1652 .	IV	Vulpeculæ		2=43,78	1=43,91	40 43,82	+2,579	,000	
2460 .	II	Capricorni		3=	——	41 ——	3,595	——	
2478 .	II	32 Vulpeculæ	q	6=34,44	2=34,40	46 34,43	2,552	+ ,012	
2622 .	III	———		——	1= 1,87	48 1,87	2,552	+ ,009	
2488 .	II	33 ———	x	2=56,60	4=56,86	50 56,77	2,678	+ ,016	
2629 .	III	———		——	1=43,60	50 43,60	2,678	+ ,009	
2638 .	III	Microscopii		——	1= 8,37	55 8,37	3,693	+ ,028	
2641 .	III	Microscopii	η	2=43,87	2=43,89	55 43,88	3,934	— ,011	
2643 .	III	Vulpeculæ		2=13,91	2=13,87	56 13,89	2,653	+ ,002	
2646 .	III	Microscopii		3=10,77	1=10,44	59 10,69	3,596	+ ,029	
2649 .	III	Vulpeculæ		3=43,65	1=43,96	21 0 43,72	2,668	+ ,005	The blank which precedes this in Vol. III. must be cancelled.
2664 .	III	Aquarii		——	1=11,50	6 11,59	3,193	+ ,013	
2517 .	II	8 Equulei	a	6=37,44	1=37,00	7 37,38	2,995	+ ,006	
2688 .	III	Cephei		——	1= 7,89	19 7,89	1,728	+ ,006	
1807 .	IV	Aquarii		3=34,66	1=34,86	20 34,71	3,262	+ ,015	This observation was omitted in the Catalogue.
2701 .	III	111 Cephei		2=35,22	1=35,74	24 35,39	1,175	+ ,020	
2554 .	II	Capricorni		5=19,66	2=19,61	25 19,65	3,280	+ ,016	
2706 .	III	Aquarii		——	1= 1,96	27 1,96	3,065	+ ,008	
2726 .	III	377 Cygni		——	4=47,53	35 47,53	2,401	+ ,014	
1854 .	IV	———		2=57,61	5=57,76	35 57,72	2,402	+ ,011	These observations were omitted in the Catalogue.
2727 .	III	Aquarii		——	2=10,26	36 10,26	3,203	+ ,015	
2583 .	II	10 Pegasi	κ	4=13,34	1=13,15	37 13,30	2,706	+ ,004	
2733 .	III	Pegasi		2=48,93	2=48,65	38 48,79	2,753	+ ,005	
2735 .	III	64 ———		——	2=14,15	41 14,15	2,519	+ ,008	
2746 .	III	Gruis	υ^2	3= 7,40	4= 7,27	47 7,33	3,649	+ ,028	
1902 .	IV	Aquarii		3= 6,59	1= 6,68	54 6,61	3,088	+ ,013	This observation was omitted in the Catalogue.
2771 .	III	174 Cephei		1= 5,41	2= 5,89	22 0 5,73	1,840	+ ,015	See Piazzi's Note to these Stars.
2772 .	III	175 Cephei		——	1= 1,78	0 1,78	1,812	+ ,014	
2774 .	III	———		1= 3,70	2= 3,65	3 3,66	2,004	+ ,010	
2775 .	III	———		2=25,71	1=25,20	3 25,54	2,025	+ ,024	
2640 .	II	39 Aquarii		5=34,80	3=34,83	3 34,81	3,243	+ ,005	
2641 .	II	Pegasi		——	1=56,37	3 56,37	2,891	+ ,013	

Reference. No.	Vol.	Names.		Mean A. R. Jan. 1, 1836.—from former obs.	Mean A. R. Jan. 1, 1836.—from present obs.	Concluded Mean A. R. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
				s.	s.	h. m. s.	s.	s.	
2648 of	II	Gruis	μ^1	4=42,66	1=42,42	22 3 42,61	+ 3,649	+ ,023	
2658 .	II	1 Lacertæ	a	5=49,86	1=49,75	8 49,84	2,599	+ ,019	
2796 .	III	162 Aquarii		2=11,60	2=11,62	13 11,61	3,141	+ ,003	
2687 .	II	37 Pegasi	H^3	5=40,66	1=40,85	21 40,69	3,033	+ ,006	
2688 .	II	57 Aquarii	σ	8=57,83	1=57,99	21 57,85	3,182	+ ,003	
2689 .	II	17 Pis. Aust.	β	6= 9,95	1=10,29	22 10,00	3.431	+ ,011	
2818 .	III	42 Lacertæ		——	3=20.57	23 20.57	2,379	+ ,008	
2821 .	III	221 Cephei		——	2=20,54	25 20,54	— 3,465	+ ,176	N. P. D. 4°,44′ ∴ P. M. = 0″,21 of arc.
2823 .	III	———		——	2=52,99	25 52,99	— 3,596	+ ,106	N. P. D. 4°,37′ ∴ P. M. = 0″,13 of arc.
2825 .	III	Piscis Aust.	σ	2=20,72	2=20,82	27 20,77	+ 3,402	,000	
2833 .	III	7 Androm.		1=34,91	2=35,07	28 34,97	2,651	+ ,004	
2844 .	III	Pegasi	P^2	2=51,39	1=51,78	33 51,52	2,949	+ ,001	
2711 .	II	43 ———	o	——	2= 3,92	34 3,92	2,802	+ ,010	
2713 .	II	Aquarii		6=27,79	1=27,92	34 27,81	3,147	+ ,022	
2852 .	III	———		3=22,85	2=22,89	39 22,87	3,108	+ ,003	
2856 .	III	237 Aquarii		1=13,24	1=13,32	42 13,28	3,131	+ ,001	
2885 .	III	———		——	4=28,20	59 28,20	3,266	+ ,018	
2895 .	III	303 Pegasi		1=46,32	4=46,22	23 1 46,24	3,015	+ ,010	
2907 .	III	———	N	2=28,49	1=28,14	9 28,38	2,977	+ ,006	
2908 .	III	Pis. Aust.		3=41,20	1=41,51	9 41,28	3,231	+ ,045	
2909 .	III	Pis. Aust.		1=15,61	1=15,59	10 15,60	3,229	+ ,008	
2784 .	II	7 Piscium	b	5=59,31	1=59,67	11 59,39	3.046	+ ,014	
2787 .	II	62 Pegasi	τ	5=31,80	2=31,56	12 31,73	2,952	+ ,012	
2814 .	II	Aquarii		5= 4,54	1= 4,32	27 4,50	3,097	+ ,009	The star observed here is of the 9th mag, agreeing with the small star mentioned by Piazzi; has then A^2 disappeared?
2828 .	II	104 ———	A^2	——	4=16,12	33 16,12	3,122	+ ,048	
2959 .	III	Androm.		3=27,44	1=27,13	36 27,36	2.930	+ ,001	
2966 .	III	306 Cephei		3=53,51	1=53,55	40 53,52	2,866	+ ,026	
2056 .	IV	Pegasi		4=34,02	1=34,07	45 34.03	3.052	— ,014	
2868 .	II	Cassiopeæ		——	4=17,67	53 17,67	2,996	——	

In bringing up the results of Vol. II. and III. to 1836, as well as in reducing those of 1836—37, to the same epoch, the Annual Precession only has generally been employed; but in a few cases (where the P. M. was large) this too has roughly been applied; thus, to the results brought up with Precession from Vol. II, four times the amount of proper motion has been added: and to those from Vol. III. and from observation in 1836—37 one years proper motion only has been applied.

Note to the Second Eddition—The above remarks relative to the differences from the Paramatta observations, were made before I had examined the Catalogue, and consequently before I had become acquainted with the systematic errors which there occur.—

SUPPLEMENTARY CATALOGUE OF THE DECLINATION OF THE FIXED STARS.

Reference. No. Vol.	A. R.	Names.	Mean Decn. Jan. 1, 1836.—from former obs.	Mean Decn. Jan. 1, 1836.—from present obs.	Concluded Mean Decn. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
	H. M.		″	″	° ′ ″	″	″	
1 of III	0 1	24 Ceti	——	4=37,01	− 6 9 37,01	+20,038	−0,06	
2 . III	4	61 Andromedæ	5=43,30	2=41,07	+40 7 42,66	20,038	− ,08	
16 . II	6	35 Piscium B	5=34,70	1=35,80	+ 7 54 34,88	20,035	− ,10	
21 . II	11	Tucanæ ζ	10=23,19*	2=19,76	−65 50 22,62	20,019	——	Differs 2′ from A. S. C.
19 . III	21	117 Piscium	3=47,35	1=51,00	+15 7 48,26	19,947	− ,13	
40 . II	23	Phœnicis λ¹	10=42,26	1=41,67	−49 42 42,21	19,940	——	Differs nearly 1′ from A. S. C.
44 . II	23	Tucanæ β¹	——	1=42,32	−63 51 42,32	19,935	——	
45 . II	23	——. β²	——	1= 7,97	−63 52 7,97	19,935	——	
22 . III	26	App. Sculp. ξ	4= 3,75	1= 6,90	−35 53 4,38	19,916	− ,51	
27 . III	28	117 Andromedæ	4=45,11	1=45,67	+23 6 45,22	19,887	− ,01	
59 . II	30	31 Andromedæ δ	11=41,41	4=40,29	+29 57 41,12	19,968	− ,30	
79 . II	39	Piscium	5= 5,88	6= 7,53	+ 4 26 6,77	19,747	−1,25	This large P. M. is in accordance with the diff. from A. S. C.
58 . III	50	322 Cephei	4= 4,18	3= 4,31	+86 16 4,24	19,554	+0,12	
108 . II	56	74 Piscium ψ¹	5=36,51	2=36,79	+20 35 36,59	19,435	−0,03	In Vol. III. the result was accidentally omitted.
67 . III	57	Cassiopeæ μ	4=44,89	2=44,80	+54 6 44,86	19,418	−1,55	Piazzi states P. M. = −0″,65.
113 . II	58	79 Piscium ψ³	4=52,92	2=52,30	+19 51 52,71	19,386	−0,19	
124 . II	1 1	32 Ceti	5= ——	3=51,76	− 9 46 51,76	19,321	− ,29	A wrong star observed in 1832 Pi- gives P. M. −″,02
132 . II	4	86 Piscium ζ¹	6=23,35	1=23,65	+ 6 42 23,39	19,245	− ,05	
135 . II	5	88 ——	5=34,73	1=37,11	+ 6 7 35,13	19,221	− ,04	
140 . IV	9	Cassiopeæ	2=37,10	1=36,81	+57 20 37,03	19,119	+ ,02	
97 . III	10	Cassiopeæ φ	4= 2,92	2= 3,60	+57 22 3,15	19,114	+ ,06	
158 . II	19	Piscium	5=34,71	1=34,68	+ 7 6 34,70	18,850	+ ,03	
162 . II	21	98 —— μ	10=43,11	5=40,83	+ 5 17 42,35	18,795	− ,17	
167 . II	24	Phœnicis δ	8=41,62	4=39,77	−49 55 41,00	18,706	——	
178 . II	28	102 Piscium π	5= 4,99	4= 3,15	+11 18 4,17	18,580	+ ,09	
138 . III	32	137 Cassiopeæ	4=11,46	3=10,98	+59 43 11,25	18,434	+ ,17	
183 . IV	44	5 Arietis γ¹	9=22,10	4=20,92	+18 29 21,74	18,001	− ,14	These 9 observation had been overlooked.
172 . III	50	153 Cassiopeæ	5=36,15	2=35,08	+63 35 35,84	17,730	+ ,04	
217 . II	52	59 Ceti υ²	7=30,10	3=30,07	−21 52 30,09	17,697	− ,04	
220 . II	53	57 Andromedæ γ	5=22,31	2=21,82	+41 32 22,17	17,635	,00	Differs 11″ from G. C.
181 . III	54	37 Arietis	4=26,66	1=23,05	+25 8 25,76	17,587	− ,17	
196 . III	2 2	52 ——	4= ——*	4=32,93	+25 9 32,93	17,267	− ,05	
214 . III	6	Persei χ	4= 6,55	3= 5,23	+56 45 5,98	17,050	− ,05	N. P. D. 5° wrong in Vol. II.
219 . III	9	262 Eridani	——	1=27,09	+48 11 27,09	16,954	+ ,12	
243 . II	11	68 Ceti o	——	4=47,26	− 3 43 47,26	16,868	− ,69	
218 . IV	13	Ceti	4=47,68	2=45,70	− 3 42 47,02	16,732	− ,03	
227 . IV	19	Trianguli	2=54,30	7=52,93	+28 56 54,00	16,452	− ,12	
247 . III	23	43 ——	4=49,06	4=49,20	+33 48 49,13	16,270	− ,05	
251 . III	25	46 ——	4= 2,00	3=59,23	+33 58 0,81	16,108	+ ,15	
230 . IV	25	——	4=13,33	3= 9,93	+34 0 11,87	16,140	− ,12	
268 . II	27	Ceti	5= 1,42	3= 1,39	+ 6 6 1,40	16,075	+1,45	[(45″) from A. S. C.
270 . II	27	30 Arietis	10=45,22	3=47,72	+23 55 47,72	16,051	−0,05	This P. M. accounts for the diff.
271 . II	27	——	——	3=46,37	+23 55 46,37	16,048	− ,05	I have retained the result of 30 Arietis for 1836, in order to shew the difference of Declination.
253 . III	27	Ceti d¹	4=43,01	1=43,00	− 4 15 43,01	16,043	− ,56	
234 . IV	29	Persei	2=51,86	2=54,02	+48 50 52,94	15,926	+ ,06	

* See errata.

Reference. No.	Vol.	A. R.	Names.		Mean Decn. Jan. 1, 1836.—from former obs.	Mean Decn. Jan. 1, 1836.—from present obs.	Concluded Mean Decn. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
		H. M.			″	″	° ′ ″	″	″	
280 of	II	2 32	83 Ceti	ι	9=16,22	4=18,55	−12 34 16,99	+15,829	− ,20	
295 .	II	36	Hydri	ε	——	——	−68 58 ——	15,528	——	*Not now visible !*
242 .	IV	37	Persei		2=35,28	1=33,41	+48 29 34,66	15,470	− ,10	
252 .	IV	49	——		2=40,02	3=36,87	+51 22 38,23	14,805	+ ,05	
324 .	II	51	Horologii	β	——	——	−63 31 ——	14,701	——	*Not now visible !*
380 .	II	52	8 Eridani	ρ^1	10=47,28	4=46,64	− 8 18 47,10	14,610	− ,09	The observations in 1833 refer to another star;—from a recent examination *this star is not now visible !*
337 .	II	55	Fornacis		2=23,65	——	−23 37 ——	14,483	——	
261 .	IV	3 3	Camelop.		2=26,76	2=26,34	+65 2 26,55	13,948	− ,08	
303 .	III	5	Messoris	A^2	4=34,10	3=33,84	+65 2 33,99	13,801	− ,11	
321 .	III	12	142 Persei		4 ——	1= 9,26	+48 37 9,26	13,418	− ,05	A wrong star observed in 1835.
368 .	II	13	Eridani	e	9= 0,98	3=59,96	−43 42 0,72	13,346	+ ,87	Piazzi states the P. M. to be +0″,83
341 .	III	27	Persei		4=13,87	4=15,40	+30 34 14,63	12,368	− ,05	
389 .	II	28	20 Eridani	F	——	6=49,28	−18 0 49,28	12,302	− ,06	
426 .	II	42	——		5=33,10	4=35,75	−38 7 34,28	11,329	− ,18	
429 .	II	43	Tauri		7=59,94	2= 1,51	+16 50 0,29	11,248	,00	
384 .	III	44	210 Eridani		4= 6,41	1= 6,21	− 5 33 6,37	11,169	− ,06	
439 .	II	49	Hydri	γ	1=56,93	3=35,44	−71 44 35,44	10,772	——	The observation in 1833 refers to another star.
450 .	II	56	Reticuli	δ	10=53,80	4=52,04	−61 51 53,30	10,318	——	
483 .	II	4 11	Doradus	γ	10=13,10	3=10,25	−51 54 12,44	9,133	——	
482 .	II	11	41 Eridani	X	10=10,41	3= 9,57	−34 12 10,28	9,011	+ ,05	
436 .	III	14	220 Persei		4=26,59	4=26,61	+33 27 26,60	8,922	——	A wrong star.
506 .	II	17	43 Eridani		10= 8,03	3= 8,14	−34 24 8,05	8,656	− ,02	
515 .	II	21	80 Tauri		——	4=20,30	+15 16 20,30	8,434	− ,17	
448 .	III	22	——	m	4 ——	3=43,31	+42 40 43,31	8,307	+ ,14	
462 .	III	27	Eridani	υ^1	4=12,59	3=11,09	−30 6 12,32	7,896	− ,29	
465 .	III	28	Scep. Brand.		4=54,01	2=32,06	− 8 47 53,36	7,740	+ ,04	
332 .	IV	28	Eridani		4= 6,83	2= 6,43	− 8 38 6,70	7,858	− ,07	
543 .	II	32	Tauri	τ	14= 9,58	2= 9,30	+22 38 9,55	7,504	− ,01	
578 .	II	50	——		1= 9,00	3= 6,90	+14 17 7,42	6,081	− ,07	
515 .	III	51	Eridani		——	3=27,21	−10 36 27,21	5,877	− ,08	
523 .	III	54	Aurigæ	e	——	3=14,11	+62 15 14,11	5,659	+ ,07	
610 .	II	5 3	Doradus	ζ	7=54,95	3=51,41	−57 41 53,89	4,965	——	
612 .	II	4	14 Aurigæ	α	——	3=21,01	+32 29 21,01	4,819	+ ,18	
554 .	III	10	2 Columbæ		4=57,52	3=55,70	−35 6 56,74	4,338	− ,10	This P. M. is in accordance with the diff. (20″+) from A. S. C.
630 .	II	11	——	o	10=40,32	3=39,40	−35 3 40,11	4,223	− ,58	
667 .	II	24	120 Tauri		——	3=59,60	+18 24 59,60	3,173	,00	
672 .	II	25	Columbæ	ε	5=43,89	4=45,76	−35 35 44,72	3,034	− ,17	
590 .	III	26	Orionis		——	4=23,99	− 4 55 23,99	2,922	− ,14	
593 .	III	27	——	c^2	——	3=12,46	− 4 58 12,46	2,813	− ,08	
685 .	II	28	40 . ——	ψ^2	8=42,06	3=44,39	+ 9 11 42,69	2,827	− ,30	
693 .	II	31	49 Orionis	d	9=36,44	4=39,04	− 7 18 37,24	2,558	− ,11	
609 .	III	33	393 Tauri		3=37,51	2=39,05	+18 53 38,13	2,315	− ,03	
699 .	II	34	Columbæ	α	43=55,88	4=56,99	−34 9 56,43	2,313	− ,01	A wrong star observed in 1832.
721 .	II	42	Tauri		5 ——	4=35,04	+13 59 35,04	1,647	+ ,02	
732 .	II	45	Columbæ	β	9= 6,24	4= 5,05	−35 50 5,87	1,314	+ ,25	
735 .	II	47	34 Aurigæ	β	11=13,75	3=14,26	+44 55 13,86	1,131	− ,15	
658 .	III	51	Camelop.	n	——	3= 4,58	+51 34 4,58	0,723	+ ,03	
746 .	II	52	Columbæ	γ	10=22,96	4=21,80	−35 18 22,63	0,742	− ,11	
757 .	II	57	67 Orionis	ν	27=48,00	3=48,33	+12 46 48,03	0,187	− ,23	
674 .	III	59	191 Aurigæ		3= 5,66	2= 4,78	+48 44 5,31	0,058	,00	

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		H. M.		″	″	° ′ ″	″	″	
684	of III	6 1	Columbæ	——	3=52,68	−37 10 52,68	−0,152	+ ,03	
700	III	8	24 Monocer.	——	3=37,55	+ 5 8 37,55	0,770	+ ,04	
703	III	10	25 ——	——	3=12,12	−10 40 12,12	0,868	— ,05	
787	II	11	Columbæ κ	10=29,52	4=29,49	−35 5 29,51	0,914	+ ,12	
707	III	11	Lyncis	3=11,69	1=11,41	+58 30 11,62	1,018	— ,10	
791	II	14	1 Canis Maj. ζ	10=48,09	3=46,00	−29 59 48,57	−1,205	— ,09	
793	II	15	Monocer.	5=26,30	2=26,27	+ 3 50 26,29	1,254	— ,08	
794	II	15	8 —— b	5= 7,32	4= 8,50	+ 4 42 7,84	1,290	— ,69	
799	II	18	15 Geminor.	5=58,85	4=59,27	+20 52 59,03	1,541	— ,03	
726	III	18	122 Camelop.	4=12,63	3= 9,76	+79 43 11,26	1,582	— ,32	
728	III	19	11 Navis	4=32,53	2=34,22	−36 37 33,10	1,620	,00	
747	III	23	17 Lyncis	——	3=51,44	+61 36 51,44	2,083	+ 1,25	
770	III	30	Canis Maj. ν¹	4=46,61	2=44,58	−18 31 45,93	2,558	+ 0,19	
780	III	32	23 Lyncis seq.	4=43,36	2=40,28	+59 35 42,33	2,795	— ,15	
790	III	35	Canis Maj.	——	3=49,88	−27 28 49,88	3,078	+ ,10	
490	IV	39	Canis Maj.	3=25,96	2=29,40	−20 36 27,33	3,400	+ ,02	
807	III	43	29 Lyncis	4=38,73	3=38,25	+57 45 38,52	3,778	00	
809	III	45	Canis Maj. h	4= 9,51	1= 9,25	−31 31 9,46	3,853	+ ,09	
854	II	46	14 —— —— θ	——	3=18,17	−11 50 18,17	4,021	00	
814	III	47	Lyncis	1=30,43	1=32,97	+57 48 31,70	4,116	+ ,05	
820	III	50	112 Canis Maj.	3=——	3=14,44	−16 53 14,44	4,363	— ,05	[See Piazzi's note. A wrong star observed in 1835;— Differs 26″,59 from A. S. C.
871	II	52	Geminor.	5=14,88	1=13,50	+29 36 14,65	4,567	— ,81	
831	III	55	Lyncis	——	4=31,58	+60 59 31,58	4,798	+ ,06	
511	IV	7 0	Navis	1=——	3= 6,65	−43 23 6,65	5,109	+ ,46	The result in the Catalogue is erroneous.
847	III	2	123 Geminor.	4=42,78	3=44,50	+15 35 43,52	5,367	— ,10	
528	IV	9	19 Lyncis	1=58,80	2= 1,33	+55 34 0,48	6,010	— ,06	
891	III	14	144 Geminor.	——	3=51,43	+27 56 51,43	6,410	+ ,05	
894	III	16	Navis	4= 8,65	4= 8,14	−31 44 8,40	6,569	+ ,05	
917	III	26	Canis Min.	——	3=37,95	+ 3 41 37,95	7,384	— ,02	
943	III	35	186 Navis	8=13,52	3=12,94	−38 9 13,36	8,126	— ,04	
944	III	36	Navis	——	3=44,94	−38 8 44,94	8,179	— ,02	
947	III	38	—— T	3=38,28	3=39,90	−44 45 39,09	8,312	— ,59	
957	III	42	217 Navis	——	3=26,93	−24 33 26,93	8,639	— ,38	
989	II	56	9 Cancri μ¹	5=51,98	3=52,32	+23 5 52,11	9,734	— ,06	
993	III	57	Navis	——	3=55,21	−19 18 55,21	9,824	+ ,12	
999	II	8 2	15 Cancri ψ³	——	3=27,74	+30 8 27,74	10,216	+ ,11	
004	II	5	——	4=51,76	1=51,46	+18 9 51,70	10,356	— ,04	
009	II	7	Piscis Vol. ε	——	3= 3,87	−68 8 3,87	10,572	——	
013	III	7	Navis	——	3=54,98	−31 39 54,98	10,537	+ ,09	
024	II	16	23 Cancri φ²	——	3=53,14	+27 37 53,14	11,243	+ ,02	
032	II	19	Argus ε	——	3=57,65	−58 58 57,65	11,426	——	A great number of stars at this spot has created much confusion;— these must be re-examined. Differs above 23″ from G. C.
049	II	31	Cancri	5=——	2=45,33	+20 6 45,33	12,206	— ,16	
055	II	31	——	5= 7,75	3= 6,91	+20 7 7,51	12,249	— ,11	
061	II	33	Pixid Naut. β	11=51,15	3=51,47	−34 43 51,23	12,439	— ,10	
066	III	37	Monocer. r	4=51,08	3=48,86	− 6 38 50,13	12,600	+ ,02	
80	II	41	Cancri	5=30,19	2=29,80	+18 36 30,09	12,952	00	
46	IV	9 0	Pixid Naut.	3=47,03	3=47,68	−25 10 47,36	14,208	— ,13	
24	II	7	Argus i	8=41,23	4=43,02	−61 38 41,68	14,623	——	
21	III	9	Navis h¹	4=26,28	3=25,32	−36 55 25,87	14,692	— ,02	
36	III	15	Hydræ	4=49,10	4=49,44	+ 4 11 49,27	15,062	— ,11	

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		H. M.		″	″	° ′ ″	″	″	
1151	of II	9 21	31 Hydræ r^1	5=21,58	3=19,63	— 2 3 20,85	—15,382	— ,08	
1173	. III	31	———	———	3=31,23	— 9 58 31,23	16,004	+ ,18	
1179	. II	39	29 Ursæ Maj. v	13=15,46	3=14,30	+59 48 15,24	16,359	— ,25	Differs 5″,6 from G. C.
1191	. II	46	9 Sextantis	5=52,22	4=50,96	+ 5 42 51,66	16,675	— ,10	
1195	. II	51	———	———	4=54,27	+ 4 9 54,27	16,946	+ ,10	
1214	. II	10 2	34 Leonis	5=41,78	3=41,38	+14 9 41,63	17,465	— ,10	
1256	. III	16	———	1=20,94	3=20,23	+ 9 36 20,41	18,058	— ,21	
1261	. II	29	37 Leo. Min. l	13=31,84	3=31,88	+32 49 31,85	18,488	— ,07	I have re-observed these stars merely with a view to determine their *difference* of Declination.*
1274	. II	36	42 ——— ——— n	21=41,51	3=43,18	+31 32 41,72	18,723	+ ,01	
1278	. II	37	51 Leonis m^2	———	3=12,60	+19 45 12,60	18,750	— ,17	
1279	. II	37	52 Leonis k	———	3=28,09	+15 3 28,09	18,755	— ,22	
1288	. II	42	41 Sextantis r	5=47,46	3=49,80	— 8 1 48,32	18,886	— ,03	
1289	. II	43	46 Leo. Min. o	12=45,53	3=44,65	+35 5 45,35	18,944	— ,40	Differs 5″,4 from G. C.
1329	. III	55	216 Ursæ Mij.	3=22,48	1=22,94	+39 7 22,60	19,256	— ,04	
1353	. III	11 7	322 Leonis	4=26,85	3=26,84	+13 30 26,85	19,520	— ,12	
1375	. III	18	Leonis	———	2=57,46	+13 53 57,46	19,718	+ ,09	
1407	. III	31	Hyd. & Crat.	1= 8,11	3=10,87	—12 16 10,18	19,887	— ,15	
1416	. III	34	Hydræ V	4=15,26	4=17,54	—31 35 16 40	19,912	— ,02	
775	. IV	34	———	———	3=31,24	—31 34 31,24	19,913	— ,01	
1371	. II	37	3 Virginis v	5=57,62	3=55,17	+ 7 26 56,70	19,943	— ,12	
1437	. III	46	338 Ursæ Maj. *var.*	———	4=57,04	+47 22 57,04	20,010	+ ,05	
1386	. II	52	8 Virginis π	16=44,70	4=45,99	+ 7 31 44,96	20,031	— ,04	
1426	. II	12 17	Crucis a^1	———	3=42,94	—62 12 42,94	19,987	———	
808	. IV	19	Virginis	———	3=31,77	+ 5 19 31,77	19,971	,20	A wrong star appears to have been observed in 1832.
1436	. II	21	18 Comæ Ber.	4=58,17	5=53,95	+25 0 53,95	19,959	— ,27	
1445	. II	25	20 Virginis	4=10,62	3= 8,18	+11 12 9,57	19,929	+ ,05	
1460	. II	30	26 ——— χ	———	3=28,88	— 7 5 28,88	19,866	— ,07	
1599	. III	52	Centauri	———	2=39,72	—22 36 39,72	19,524	—1,93	Probably an error of 1′ in Piazzi or in this result.
1634	. III	13 8	201 Comæ Ber.	———	2=55,43	+20 40 55,43	19,144	+0,05	
1751	. III	59	634 Virginis	———	3=37,75	—18 27 37,75	17,349	— ,01	Piazzi has assigned the 9th mag. to this star whereas it is now of the 7th.
1795	. III	14 18	Bootis	———	5= 2,71	+19 57 2,71	16,482	— ,18	
1664	. II	34	32 ———	———	4=18,65	+12 22 18,65	15,709	— ,05	
1667	. II	36	10 Hydræ Con.	———	2=33,56	—24 44 33,56	15,566	— .22	
1668	. II	37	Lybræ	———	2=33,63	—20 28 33,63	15,545	— ,16	
1669	. II	37	5 ——— ρ	———	2=51,19	—14 45 51,19	15,543	— ,09	
1676	. II	38	13 Hydræ Con.	———	3=15,87	—25 57 15,87	15,463	— ,10	
1680	. II	41	8 Libræ a^1	———	4=41,92	—15 18 41,92	15,280	— ,21	
1685	. II	43	Bootis	———	5=55,00	+29 17 55,00	15,204	,00	
1695	. II	49	15 Hydræ z	———	5=37,21	—26 59 37,21	14,859	— ,07	
1696	. II	49	1 Serpentis	———	4=50,40	+ 1 29 50,40	14,845	— ,13	
1703	. II	54	Libræ	———	4=20,86	— 7 11 20,86	14,571	— ,07	
1879	. III	56	33 Ursæ Min.	———	5=20,83	+75 32 20,83	14,410	— ,05	
1898	. III	15 5	97 Libræ	4=31,59	3=32,28	—17 48 31,89	13,835	+ ,02	
1740	. II	11	28 ——— v	———	6=26,04	—17 33 26,04	13,458	— ,15	
1741	. II	12	29 ——— o^1	———	5= 9,63	—14 57 9,63	13,441	— ,21	
1773	. II	28	Libræ	———	5=33,38	—27 39 33,38	12,343	— ,02	
1775	. II	28	16 Serpentis	———	5=48,19	+10 33 48,19	12,317	— ,15	
1776	. II	28	18 ——— r^2	———	5= 2,88	+16 40 2,88	12,294	+ ,01	
1812	. II	45	3 Scorpii A^2	———	5= 8,51	—24 45 8,51	11,174	— ,24	
1815	. II	45	4 ———	———	5=35,10	—25 46 35,10	11,117	— ,13	

* The difference of Declination here found. Jan. 1. 1836. = 1° 16′ 50″,1 from obs. on the same evening.
Do. from the Greenwich Catalogue. ——— = 1° 16′ 55″,3
——— ——— Piazzi's Catalogue. ——— = 1° 16′ 52″,7

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		H. M.			″	″	° ′ ″	″	″	
1965 of	III	15 46	Lupi	ξ	3=40,01	2=39,40	−33 28 39,77	−11,014	+ ,05	
1990 .	III	57	———		4=39,58	2=43.00	−38 38 40,72	10,187	− ,25	
1046 .	IV	16 1	Serpentis		4=46,53	1=46,92	+ 5 50 46,61	9,966	− ,07	
1058 .	IV	11	Scorpii		4=55,50	1=57,74	−19 42 55,95	9,167	− ,09	
2072 .	III	34	———		——	5=39,59	−22 48 39,59	7,333	,00	
1090 .	IV	42	Scorpii		——	3=37,89	−41 32 37,89	6,603	− ,11	This star belongs to Vol. III, but was introduced through mistake into Vol. IV.
2097 .	III	42	150 ———		3=58,38	2=61,00	−41 33 59,43	6,614	+ ,10	
1942 .	II	50	Ophiuchi		4= 6,33	2= 4,98	−17 59 5,88	6,040	− ,06	
2127 .	III	56	117 ———		3=37,00	5=37,72	+13 50 37,45	5,502	− ,19	
2142 .	III	17 1	Herculis		——	5=11,26	+27 19 11,26	5,052	+ ,03	
1973 .	II	7	39 Ophiuchi	o	——	6= 0,57	−24 6 0,57	4,538	− ,06	
1974 .	II	7	———		——	4=59,97	−23 52 59,97	4,531	− ,08	
1980 .	II	11	66 Herculis	ω	——	4=55,38	+11 2 55,38	4,285	− ,12	
1985 .	II	11	53 Serpentis	ν	——	3=22,59	−12 40 22,59	4,229	− ,02	
1991 .	II	15	33 Scorpii		——	2= 7,21	−24 5 7,21	3,934	+ ,02	
1996 .	II	17	73 Herculis		——	2= 6,07	+23 7 6,07	3,739	− ,04	
1997 .	II	18	47 Ophiuchi		——	2=38,93	−12 21 38,93	3,695	− ,17	
1998 .	II	18	———		——	2= 9,66	− 4 56 9,66	3,686	− ,21	
2014 .	II	25	54 ———		——	3=45.74	+13 16 45,74	2,917	− ,07	
2193 .	III	27	245 ———		1= 4,81*	2= 5,17	+13 14 5,05	2,824	−1,78	Piazzi's Declination is probably 1′ too large, in which case P.M.=−0″11
2015 .	II	27	53 Ophiuchi	f	——	3= 8,77	+ 9 42 8,77	2,915	− ,19	
2018 .	II	28	Serpentis		——	2=50,14	−15 27 50,14	2,802	− ,12	
2024 .	II	29	Sagittarii		——	2= 1,02	−32 7 1,02	2,708	+ ,07	
1170 .	IV	30	Ophiuchi		4=46,71	1=46,76	+11 45 46,72	2,651	+ ,03	
2026 .	II	31	79 Herculis		——	2=44,41	+24 24 44,41	2,572	− ,12	
2209 .	III	34	142 Draconis		——	2=48,06	+62 33 48,06	2,286	− ,01	
2033 .	II	34	Ophiuchi		——	1=46,94	−22 6 46,94	2,256	− ,06	
2034 .	II	34	———		——	1= 5,22	+16 2 5,22	2,239	+ ,17	
2214 .	III	35	Draconis		——	1=14,11	+68 13 14,11	2,170	− ,06	
1185 .	IV	35	83 Herculis		3= 4,61	3= 5,50	+24 39 5,06	2,101	− ,18	
2221 .	III	38	Ophiuchi		——	1=10,71	+ 5 46 10,71	1,915	+ ,17	
1191 .	IV	38	———		2=22,99	1=23,14	+25 47 23,04	1,944	− ,04	
2222 .	III	38	———		——	2=37,29	+ 5 50 37,29	1,851	− ,07	
2042 .	II	38	Sagittarii		——	1=17,29	−31 38 17,29	1,909	− ,03	
2226 .	III	41	Ophiuchi		——	1=44,07	+ 5 45 44,07	1,671	− ,11	
2229 .	III	41	Telescopii		3=47,19	3=44,78	−34 44 45,98	1,613	− ,03	
2231 .	III	42	339 Herculis		——	2=47,14	+19 18 47,14	1,590	,00	
2235 .	III	43	290 Ophiuchi		——	2=14,46	−19 4 14,46	1,497	− ,11	
2237 .	III	43	Tauri Pon.		——	1=44,30	+ 5 16 44,30	1,468	− ,14	
2239 .	III	44	297 Ophiuchi		——	1= 8,85	+ 1 21 8,85	1,357	,00	
2248 .	III	46	302 Ophiuchi		——	1=54,01	−18 45 54,01	1,183	− ,01	
2252 .	III	47	357 Herculis		——	2=52,97	+24 48 52,97	1,136	− ,09	
2254 .	III	48	7 Tauri Pon.		——	1= 5,91	+ 0 42 5,91	1,037	− ,03	
2257 .	III	51	172 Serpentis		——	1=56,00	− 4 47 56,00	0,781	− ,23	
2062 .	II	51	6 Sagittarii		——	1=36,15	−17 8 36,15	0,741	− ,08	
063 .	II	52	Sagittarii		——	1= 3,50	−22 46 3,50	0,734	− ,02	
261 .	III	52	19 ———		——	1=41,60	−22 53 41,60	0,630	+ ,02	
067 .	II	53	7 ———	α	——	2=21,94	−24 16 21,94	0,663	− ,05	
074 .	II	53	9 ———		——	2=21,34	−24 21 21,34	0,573	− ,02	
078 .	II	55	———		——	2=55,34	−24 23 55,34	0,460	− ,06	

* See errata.

Reference. No.	Vol.	A. R.	Names.		Mean Decn. Jan. 1, 1836.—from former obs.	Mean Decn. Jan. 1, 1836.—from present obs.	Concluded Mean Decn. Jan. 1, 1836.	Annual Precesn.	Annual P. M.	Remarks.
		H. M.			″	″	° ′ ″	″	″	
2269 of	III	17 56	Ursæ Min.		——	2=33,66	+74 35 33,66	— 0,338	— ,19	Piazzi gives P. M. = —0″,30
2276 .	III	59	Sagittarii		——	3=17,25	—24 0 17,25	0,041	+ ,02	
2278 .	III	18 0	406 Herculis		——	2=51,34	+42 56 51,34	— 0,006	— ,07	
2283 .	III	1	——	*i*	——	2=42,32	+26 4 42,32	+ 0,117	+ ,30	
2305 .	III	15	444 ——		4=——	3= 7,67	+29 47 7,67	1,287	+ ,08	
2118 .	II	15	21 Sagittarii		——	3=20,18	—20 37 20,18	1,330	— ,11	Differs 43″ from A.S.C. and too faint for the star intended—*
2123 .	II	18	Sagittarii		——	1=28,75	—17 47 28,75	1,574	——	
2126 .	II	20	——	v^1	5=18,49	1=16,11	—33 5 18,10	1,741	— ,09	
2127 .	II	20	Clypei Sob.		——	4=59,30	—14 40 59,30	1,759	——	
2132 .	II	22	Sagittarii		——	3=25,31	—18 30 25,31	1,875	— ,07	
2318 .	III	22	Cor. Aust.	χ	3=59,59	3= 0,19	—38 49 59,89	1,950	+ ,05	
2135 .	II	23	Sagittarii	v^2	——	3=44,45	—33 7 44,45	1,991	— ,02	
2139 .	II	23	61 Serpentis	*e*	——	3=46,70	— 1 6 46,70	2,024	— ,06	
2140 .	II	23	Sagittarii		——	2=48,73	—18 28 48,73	2,026	— ,02	
2150 .	II	28	——		——	2=31,87	—21 31 31,87	2,419	— ,16	
2151 .	II	28	Clypei Sob.		——	4=45,74	—17 21 45,74	2,441	,00	
2152 .	II	28	Sagittarii		——	3= 9,31	—23 38 9,31	2,457	+ ,02	
2153 .	II	28	Herculis		——	2=22,89	+23 28 22,89	2,480	— ,51	
2157 .	II	32	26 Sagittarii		——	4=39,82	—23 58 39,82	2,745	— ,02	
2202 .	II	54	——	S	——	3=45,03	—31 16 45,03	4,636	— ,07	
2212 .	II	58	Sagittarii		——	3=51,14	—28 52 51,14	4,917	+ ,07	
2215 .	II	58	——		——	3=24,09	—24 54 24,09	5,006	— ,11	
2217 .	II	58	——		——	3=24,14	—19 32 24,41	5,042	——	
2248 .	II	19 12	44 ——	ρ^1	——	1=51,52	—18 8 51,52	6,178	+ ,12	This star has been looked for frequently but not observed yet.
2249 .	II	12	27 Aquilæ	*d*	——	——	— 1 13 ——	6,178		
2250 .	II	12	45 Sagittarii	ρ^2	——	1=16,82	—18 36 16,82	6,189	— ,08	
2251 .	II	12	46 ——	*v*	——	1=21,59	—16 15 21,59	6,192	— ,09	
2261 .	II	16	——	O	——	1=38,77	—30 3 38,77	6,540	— ,17	
2262 .	II	17	——		——	1=20,49	—15 22 20,49	6,567	— ,17	
2263 .	II	17	2 Sagittæ		——	2=31,32	+16 37 31,32	6,585	+ ,11	
2264 .	II	17	Sagittarii		——	2=13,87	—14 52 13,87	6.588	— ,14	
2267 .	II	18	2 Cygni	*a*	——	1=17,51	+29 18 17,51	6,642	— ,08	
2427 .	III	20	19 ——		3= 7,05	3=10,82	+49 57 8,93	6,784	— ,09	
2457 .	III	35	Draconis		2=	2= 1,67	+69 26 1,67	8,057	+ ,38	
2465 .	III	38	Aquilæ	*v*	2=18,52	2=17,18	+ 7 13 17,85	8,300	— ,06	
2264 .	III	38	73 Cygni		3=46,04	3=46,52	+50 8 46,28	8,274	— ,28	
2326 .	II	42	51 Aquilæ	D	——	3=23,97	—11 10 23,97	8,582	— ,08	
2478 .	III	45	——		3=44,13	2=46,30	+11 13 45,00	8,828	— ,27	
2482 .	III	46	187 ——		3=50,00	1=51,01	— 8 38 50,25	8,938	+ ,01	
2483 .	III	47	Sagittæ		3=54,53	2=49,91	+19 54 52,68	8,969	— ,16	
2494 .	III	52	Sagittarii	H	3= 9,06	2= 9,39	—38 23 9,19	9,476	— ,08	
2510 .	III	59	Draconis	e^1	——	4=47,85	+64 21 47,85	10,001	+ ,02	
2528 .	III	20 6	——		3=50,69	2=51,68	+63 13 51,09	10,373	,00	These observations were omitted in the Catalogue.
1519 .	IV	6	Aquilæ		——	2=28,54	+15 36 28,54	10,434	+ ,15	
2539 .	III	11	Sagittarii	I'	——	3=30,89	—42 33 30,89	10,882	— ,18	
2567 .	III	25	Cygni		4=18,14	3=16,44	+48 43 17,41	11,776	— ,02	
2420 .	II	27	46 ——	ω^3	2=13,46	1=11,70	+48 40 12,87	11,926	+ ,04	
2575 .	III	28	Ursæ Min.	λ	3=——	1=57,35	+88 48 57,35	11,852	+ ,06	
2438 .	II	31	28 Vulpeculæ		——	2=43,59	+23 32 43,59	12,279	+ ,07	
2589 .	III	34	Delphini		3=44,32	1=45,07	+13 13 44,51	12,482	— ,03	

* A star of the 6th Magnitude near this has been observed, Declination —17° 58′ 30″,09.

Reference. No.	Vol.	A. R.	Names.		Mean Decn. Jan. 1, 1836.—from former obs.	Mean Decn. Jan. 1, 1836.—from present obs.	Concluded Mean Decn. Jan. 1, 1836.	Annual Precession.	P. M.	Remarks.
		H. M.			″	″	° ′ ″	″	″	
1656	of IV	20 44	Cephei		——	2=43,74	+44 58 43,74	+13,102	+1,23	
2495	II	54	2 Equulei	λ	5=25,08	3=24,46	+ 6 32 24,85	13,785	— ,02	
2649	III	59	Vulpeculæ		——	1=36,31	+22 55 36,31	14,164	——	
2664	III	21 6	Aquarii		——	1=40,14	— 7 45 40,14	14,563	— ,03	
2683	III	19	——		4=21,82	2=22,84	—12 47 22,16	15,226	— ,16	
2688	III	19	Cephei		——	2=18,87	+5 14 18,87	15,313	+ ,08	
2691	III	21	Vulpeculæ	ε	4=53,44	1=52,82	+26 53 53,31	15,387	— ,01	
2706	III	27	Aquarii		——	1= 3,26	+ 0 15 3,26	15,751	— ,19	
2565	II	29	4 Pegasi	T^1	6= 2,89	2= 3,07	+ 5 2 2,98	15,902	— ,14	Differs 9″ from A. S. C.
2568	II	32	42 Capricorni	d^1	——	3=32,16	—14 46 32,16	16,022	— ,41	Piazzi gives P. M.—0″,38.
2757	III	54	Piscis Aust.		——	3=31,94	—30 41 31,94	17,090	— ,16	
2775	III	22 4	Cephei		2=59,22	1=56,61	+58 2 58,35	17,510	+ ,05	
2774	III	4	——		2=29,65	2=28,69	+58 29 29,17	17,496	,00	
2648	II	5	Gruis	μ^1	5=35,02	3=31,12	—42 9 33,56	17,586	— ,08	
2678	II	17	53 Aquarii	E^2	——	4=22,19	—17 34 22,19	18,066	+ ,06	
2689	II	22	17 Piscis Aust.	β	5= 1,98	1= 0,27	—33 11 1,70	18,232	— ,02	
2699	II	27	61 Aquarii	L	5=13,93	1=12,21	—18 18 13,64	18,402	— ,09	
2825	III	27	Piscis Aust.	σ	4=28,83	2=29,80	—32 30 29,15	18,434	+ ,03	
2833	III	29	7 Andromedæ		4=15,00	4=14,06	+38 47 14,53	18,475	— ,07	
2850	III	37	222 Aquarii		4=14,99	1=15,66	—10 30 15,12	18,741	— ,13	
2352	III	40	Aquarii		4=45,87	2=45,06	— 5 4 45,60	18,823	— ,51	
2872	III	51	——		4=28,16	2=25,15	—27 1 27,16	19,157	— ,11	
2885	III	59	——		——	4=12,52	—29 42 12,52	19,353	+ ,36	
2784	II	23 12	7 Piscium	b	5=13,24	2=12,84	+ 4 29 13,08	19,599	— ,08	

One remark is here necessary with regard to the foregoing Catalogue,—namely, that the precessions in Declination are those copied from the Vols. already printed; and consequently pertain to the epochs for which those tables were constructed, and *not* to the year 1836, to which the places of the stars are reduced: with a view to remedy this defect, as well as to supply an every day want of the practical Astronomer, I have computed the following tables.

A Table *of the annual variation of the Precession in Right Ascension in time.*
arg at top the Declination and at the side the A. R. of the Star.

Declin. *North.*	0°	30°	50°	60°	65°	70°	75°	78°	80°	82°	Declin. *South.*
H. M.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	H. M.
O 0	,0000	+,0001	+,0003	+,0004	+,0006	+,0008	+,0011	+,0014	+,0017	+,0021	XII 0
30	, 00	, 02	, 04	, 06	, 08	, 11	, 16	, 22	, 28	, 38	30
I 0	, 00	, 02	, 04	, 07	, 10	, 13	, 20	, 29	, 37	, 54	XIII 0
30	, 00	, 02	, 05	, 07	, 11	, 15	, 22	, 34	, 45	, 66	30
II 0	, 00	, 02	, 05	, 07	, 12	, 16	, 25	, 37	, 52	, 76	XIV 0
30	, 00	, 03	, 05	, 08	, 12	, 17	, 27	, 39	, 54	, 80	30
III 0	,0000	+,0003	+,0005	+,0008	+,0012	+,0017	+,0027	+,0040	+,0055	+,0081	XV 0
30	, 00	, 02	, 05	, 08	, 11	, 16	, 26	, 38	, 52	, 78	30
IV 0	, 00	, 02	, 04	, 07	, 10	, 15	, 21	, 33	, 45	, 68	XVI 0
30	, 00	, 01	, 03	, 05	, 08	, 12	, 17	, 26	, 37	. 54	30
V 0	, 00	, 01	, 02	, 03	, 05	, 07	, 12	, 18	, 26	, 38	XVII 0
30	, 00	, 00	, 01	, 01	, 03	, 04	, 07	, 09	, 13	, 20	30
VI 0	,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	XVIII 0
30	, 00	, 00	, 01	, 02	, 03	, 04	, 07	, 09	, 13	, 20	30
VII 0	, 00	, 01	, 02	, 04	, 05	, 08	, 12	, 18	, 26	, 38	XIX 0
30	, 00	, 02	, 03	, 05	, 07	, 11	, 17	, 26	, 37	, 54	30
VIII 0	, 00	, 02	, 04	, 07	, 09	, 14	, 21	, 33	, 45	, 68	XX 0
30	, 00	, 03	, 05	, 08	, 11	, 16	, 26	, 38	, 52	, 78	30
IX 0	,0000	—,0003	—,0005	—,0008	—,0012	—,0017	—,0027	—,0040	—,0055	—,0081	XXI 0
30	, 00	, 03	, 05	, 01	, 12	, 17	, 27	, 39	, 54	, 80	30
X 0	, 00	, 02	, 04	, 07	, 11	, 17	, 25	, 37	, 52	, 76	XXII 0
30	, 00	, 02	, 04	, 07	, 10	, 15	, 22	, 34	, 45	, 66	30
XI 0	, 00	, 02	, 04	, 06	. 09	, 13	, 20	, 29	, 37	, 54	XXIII 0
30	, 00	, 02	, 03	, 05	, 07	, 10	, 16	, 22	, 28	, 38	30
XII 0	,0000	—,0001	—,0002	—,0003	—,0005	—,0007	—,0011	—,0014	—,0017	—,0021	O 0
30	, 00	—, 01	—, 01	—, 02	—, 03	—, 04	—, 06	—, 06	—, 06	—, 05	30
XIII 0	, 00	—, 00	, 00	, 00	, 00	, 00	, 00	+, 01	+, 04	+, 11	I 0
30	, 00	+, 00	+, 00	+, 01	+, 02	+, 02	+, 03	+, 07	+, 14	+, 26	30
XIV 0	, 00	+, 00	+, 01	+, 02	+, 03	+, 03	+, 06	+, 13	+, 21	+, 38	II 0
30	, 00	+, 00	+, 01	+, 02	+, 03	+, 04	+, 07	+, 16	+, 24	+, 47	30
XV 0	,0000	+,0001	+,0002	+,0003	+,0004	+,0005	+,0009	+,0017	+,0026	+,0050	III 0
30	, 00	, 01	, 02	, 03	, 05	, 06	, 10	, 17	. 27	, 49	30
XVI 0	, 00	, 01	, 02	, 03	, 05	, 07	, 11	, 18	, 28	, 47	IV 0
30	, 00	, 01	, 02	, 03	, 04	, 06	, 10	, 16	, 24	, 39	30
XVII 0	, 00	, 00	, 01	, 02	, 03	, 04	, 07	, 12	, 17	, 28	V 0
30	, 00	, 00	, 01	, 01	, 02	, 02	, 04	, 06	, 09	, 14	30
XVIII 0	,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	—,0000	VI 0
30	, 00	, 00	, 01	, 01	, 02	, 02	, 04	, 06	, 09	, 14	30
XIX 0	, 00	, 00	, 01	, 02	, 03	, 04	, 07	, 12	, 17	, 28	VII 0
30	, 00	, 01	, 02	, 03	, 05	, 06	, 10	, 16	, 24	, 39	30
XX 0	, 00	, 01	, 02	, 03	, 05	, 06	, 10	, 18	, 28	, 47	VIII 0
30	, 00	, 01	, 02	, 03	, 05	, 06	, 10	, 17	, 27	, 49	30
XXI 0	,0000	—,0001	—,0002	—,0003	—,0004	—,0005	—,0009	—,0017	—,0026	—,0050	IX 0
30	, 00	, 01	, 02	, 03	, 04	, 05	, 08	, 16	, 24	, 47	30
XXII 0	, 00	, 00	, 01	, 02	, 03	, 04	, 06	, 13	, 21	, 38	X 0
30	, 00	, 00	—, 01	, 01	, 02	, 02	, 04	, 07	, 14	, 26	30
XXIII 0	, 00	, 00	, 00	, 00	, 00	, 00	, 00	, 01	, 04	, 11	XI 0
30	, 00	+, 00	+, 01	+, 02	+, 03	+, 04	+, 06	+, 06	+, 06	+, 05	30

A Table of the annual variation of the Precession in Declination

arg at top the Declination, at the side the A. R. of the Star.

Declin. *North.*	0°	30°	50°	60°	65°	70°	75°	78°	80°	82°	Declin. *South.*
H. M.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	H. M.
XII 0	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	+,0000—	O 0
30	, 06	, 05	, 05	, 05	, 05	, 05	, 05	+, 04—	+, 04—	+, 03—	30
XIII 0	, 11	, 10	, 10	, 09	, 08	, 08	, 07	+, 05—	+, 04—	+, 02—	I 0
30	, 17	, 15	, 14	, 12	, 10	, 09	, 06	+, 03—	00	—, 03+	30
XIV 0	, 22	, 20	, 17	, 14	, 11	, 09	, 04	—, 01+	—, 06+	—, 12+	II 0
30	, 27	, 23	, 19	, 15	, 11	, 08	, 00	—, 07+	—, 14+	—, 24+	30
XV 0	+,0032—	+,0026—	+,0020—	+,0015—	+,0011—	+,0005—	—,0005+	—,0014+	—,0023+	—,0037+	III 0
30	, 36	, 28	, 21	, 14	, 10	+, 02—	, 11	, 22	, 34	, 51	30
XVI 0	, 39	, 30	, 21	, 13	, 09	—, 01+	, 16	, 30	, 45	, 65	IV 0
30	, 41	, 32	, 21	, 13	, 07	, 04	, 20	, 36	, 54	, 78	30
XVII 0	, 43	, 33	, 22	, 12	, 04	, 07	, 24	, 41	, 60	, 86	V 0
30	, 44	, 33	, 22	, 12	, 04	, 08	, 26	, 44	, 63	, 92	30
XVIII 0	+,0045—	+,0033—	+,0022—	+,0012—	+,0003—	—,0009+	—,0028+	—,0047+	—,0066+	—,0093+	VI 0
30	, 44	, 33	, 22	, 11	, 03	, 08	, 26	, 44	, 63	, 92	30
XIX 0	, 43	, 33	, 22	, 12	, 04	, 07	, 24	, 41	, 60	, 86	VII 0
30	, 41	, 32	, 21	, 12	, 06	, 04	, 20	, 36	, 54	, 78	30
XX 0	, 39	, 30	, 21	, 13	, 09	, 01	, 16	, 30	, 45	, 65	VIII 0
30	, 36	, 28	, 21	, 14	, 10	, 02	, 11	, 22	, 34	, 51	30
XXI 0	+,0032—	+,0026—	+,0020—	+,0019—	+,0011—	+,0005—	—,0005+	—,0014+	—,0023+	—,0037+	IX 0
30	, 27	, 23	, 19	, 14	, 11	, 08	, 00	—, 07+	—, 14+	—, 24+	30
XXII 0	, 22	, 20	, 17	, 14	, 11	, 09	+, 04—	—, 01+	—, 06+	—, 12+	X 0
30	, 17	, 15	, 14	, 12	, 10	, 08	, 06	+, 03—	, 00	—, 03+	30
XXIII 0	, 11	, 10	, 10	, 09	, 08	, 08	, 07	+, 05—	+, 04—	+, 02—	XI 0
30	, 06	, 05	, 05	, 05	, 05	, 05	, 05	+, 04—	+, 04—	+, 03—	30
O 0	—,0000+	—,0000+	—,0000+	—,0000+	—,0000+	—,0000+	—.0000+	—,0000+	—,0000+	—,0000+	XII 0
30	, 06	, 06	, 06	, 06	, 06	, 07	, 07	, 08	, 08	, 09	30
I 0	, 11	, 12	, 13	, 14	, 14	, 15	, 16	, 17	, 19	, 21	XIII 0
30	, 17	, 18	, 20	, 22	, 23	, 25	, 27	, 30	, 34	, 38	30
II 0	, 22	, 25	, 28	, 31	, 33	, 36	, 40	, 45	, 50	, 57	XIV 0
30	, 27	, 31	, 35	, 40	, 43	, 47	, 54	, 60	, 68	, 79	30
III 0	—,0032+	—,0038+	—,0043+	—,0049+	—,0052+	—,0058+	—,0068+	—,0076+	—,0086+	—,0101+	XV 0
30	, 36	, 43	, 50	, 57	, 61	, 68	, 081	, 091	, 104	, 121	30
IV 0	, 39	, 48	, 56	, 64	, 70	, 79	, 093	, 106	, 121	, 140	XVI 0
30	, 41	, 52	, 61	, 70	, 77	, 88	, 103	, 119	, 134	, 156	30
V 0	, 43	, 55	, 65	, 75	, 82	, 93	, 111	, 130	, 146	, 170	XVII 0
30	, 44	, 56	, 67	, 77	, 85	, 97	, 116	, 135	, 152	, 180	30
VI 0	—,0045+	—,0057+	—,0068+	—,0078+	—,0086+	—,0098+	—,0117+	—,0136+	—,0155+	—,0183+	XVIII 0
30	, 44	, 56	, 67	, 77	, 85	, 97	, 116	, 135	, 152	, 180	30
VII 0	, 43	, 55	, 65	, 75	, 82	, 93	, 111	, 130	, 146	, 170	XIX 0
30	, 41	, 52	, 61	, 70	, 77	, 88	, 103	, 119	, 134	, 156	30
VIII 0	, 39	, 48	, 56	, 64	, 70	, 79	, 093	, 106	, 121	, 140	XX 0
30	, 36	, 43	, 50	, 57	, 61	, 68	, 081	, 091	, 104	, 121	30
IX 0	—,0032+	—,0038+	—,0043+	—,0049+	—,0052+	—,0058+	—,0068+	—,0076+	—,0086+	—,0101+	XXI 0
30	, 27	, 32	, 35	, 40	, 43	, 47	, 54	, 60	, 68	, 079	30
X 0	, 22	, 25	, 28	, 31	, 33	, 36	, 40	, 45	, 50	, 057	XXII 0
30	, 17	, 19	, 20	, 22	, 23	, 25	, 27	, 30	, 34	, 038	30
XI 0	, 11	, 12	, 13	, 14	, 14	, 15	, 16	, 17	, 19	, 021	XXIII 0
30	, 06	, 06	, 06	, 07	, 06	, 07	, 07	, 08	, 08	, 009	30

PROPER MOTION OF THE FIXED STARS.

In Vol. III. is given the Mean of the Proper Motions of all the Stars in the Catalogue, (3005 in number) both in Right Ascension and Declination: and from what there appeared to be—a tendency to exhibit a *general proper motion in the whole system of Stars*, or more simply, *a movement of the Solar System in space*, I have been induced to follow up the enquiry with the 2066 Stars which occur in the present volume, and have in a similar manner brought about 2600 Stars from the Catalogue of Volume II., to bear upon the same subject; how far these have succeeded in establishing this point will appear presently;—in the mean time, it may be proper to remark, that in an investigation of this nature, we may imagine that every star is affected with *true** Proper Motion, more or less: some Proper Motions from their magnitude, are at once recognized, whilst others from their minuteness, are lost sight of in the errors incident to observations:—we may expect however among the latter class, that— occurring indifferently + or — as the larger proper motions do,—the mean among a great many Stars would approximate to zero, and thereby leave disengaged any *apparent* Proper Motion which might exist; accordingly in the table which now follows, I have given the mean of all the Proper Motions in Right Ascension for each hour of A. R., omitting only those alluded to in the column "P.M. Stars;"—those Stars in fact whose proper motion exceeds all possible limits of error of observation; thus;— the largest error of A. R. found in the Madras Results was in the case of 169 Ceti, which differed 0,52s. in 1835, from the place determined in 1832: should the whole of this amount in the way of error, apply to one of the determinations; and should an error to the same amount but contrary direction occur in Piazzi's Catalogue, it would give rise to an error $\frac{+,52 \; +,52}{t}$ in the observed P. M. (t being the date of the Catalogue since 1800); in addition to this, we must take account of the fact, that the Equinoctial Point assumed by Piazzi in the construction of his Catalogue, was the same as that employed by Dr. Maskelyne; whereas we have employed a zero point 0,20s, behind this; hence the comparison of our Catalogue with Piazzi's, ought to exhibit a P. M. in Right Ascension to the amount $\frac{+,20s}{t}$; combining this with the above, we may safely assume,—that in either Catalogue—any value found in the Column "P. M. in A. R." which exceeds the limits $\frac{+1,24s}{t}$ and $\frac{-0,84s}{t}$, is more or less the effect of Proper Motion, notwithstanding the errors of observation: thus we have

* By the term "*true*" Proper Motion is meant an actual movement of the Star in space with reference to any point we may consider fixed; whereas *apparent* Proper Motion is such as would result from a movement of the Solar System.

A TABLE of the Proper Motions of the fixed Stars in A. R.

	Vol. II. for 1832 (2881 Stars.)			Vol. III. for 1835 (3003 Stars.)			Vol. IV. for 1836 (2066 Stars)			
A. R.	P. M. Stars.	No. and sum of + & — P. M.	Mean $\frac{-,20}{t}$ (—,0063)	P. M. Stars.	No. and sum of + & — P. M.	Mean $\frac{-,20}{t}$ (—,0057)	P. M. Stars.	No. and sum of + & — P. M.	Mean $\frac{-,20}{t}$ (—,0056)	General Mean P. M.
H. M.		s.	s.		s.	s.		s.	s.	s.
O	7	90=+1,152 7=— ,041	+,0051	7	60=+0,912 11=—0,077	+,0061	1	114=+1,358 8=—0,026	+,0053	+,0054
I	4	87=+1,035 12=— ,077	+,0039	8	87=+1,081 15=—0,109	+,0038	3	63=+0,897 3=—0,025	+,0076	+,0047
II	6	91=+1,260 9=— ,049	+,0058	7	61=+0,661 37=—0,318	—,0022	1	51=+0,178 5=—0,032	+,0059	+,0027
III	2	93=+1,154 10=— ,065	+,0043	4	69=+0,701 28=—0,177	—,0003	0	45=+0,579 8=—0,048	+,0044	+,0025
IV	6	126=+1,608 7=— ,037	+,0055	5	95=+0,928 26=—0,175	+,0005	3	44=+0,682 12=—0,091	+,0050	+,0036
V	5	127=+1,313 12=— ,082	+,0025	2	116=+1,009 28=—0,201	—,0002	2	63=+0,745 7=—0,045	+,0044	+,0017
VI	3	104=+0,979 8=— ,039	+,0021	9	122=+1,185 32=—0,240	—,0004	3	56=+0,784 6=—0,027	+,0066	+,0019
VII	2	90=+0,761 12=— ,065	+,0005	7	123=+1,154 23=—0,166	+,0011	3	54=+0,663 8=—0,086	+,0037	+,0015
VIII	2	77=+0,748 16=— ,104	+,0017	3	79=+0,918 31=—0,280	+,0001	2	57=+0,695 6=— ,042	+,0048	+,0019
IX	4	83=+0,677 10=— ,072	+,0013	6	73=+0,709 30=—0,189	—,0007	1	54=+0,651 9=—0,051	+,0041	+,0012
X	1	74=+0,811 15=— ,107	+,0016	7	84=+0,907 29=—0,276	—,0001	2	36=+0,557 4=—0,922	+,0067	+,0016
XI	3	66=+0,674 8=— ,089	+,0016	7	97=+1,128 41=—0,348	,0000	1	42=+0,531 6=—0,021	+,0050	+,0019
XII	4	72=+ ,620 14=— ,108	—,0003	9	115=+1,233 19=—0,198	+,0023	1	45=+0,635 5=—0,030	+,0063	+,0023
XIII	6	67=+ ,532 21=— ,183	—,0023	2	105=+1,086 32=—0,244	+,0004	6	68=+0,730 7=—0,080	+,0033	+,0003
XIV	2	69=+ ,653 18=— ,124	—,0002	4	98=+0,969 33=—0,195	+,0002	2	47=+0,470 6=—0,032	+,0028	+,0006
XV	3	80=+ ,747 9=— ,043	+,0016	4	82=+0,846 18=—0,146	+,0013	1	52=+0,520 5=—0,062	+,0024	+,0016
XVI	4	72=+ ,609 16=— ,109	—,0006	0	85=+0,721 48=—0,358	—,0030	0	55=+0,549 8=—0,039	+,0025	—,0010
XVII	4	84=+0,772 17=—0,069	+,0007	3	82=+0,754 39=—0,280	—,0018	2	104=+1,272 13=—0,093	+,0044	+,0010
XVIII	4	92=+0,883 12=—0,057	+,0017	5	81=+0,718 22=—0,185	—,0005	4	82=+0,926 12=—0,091	+,0033	+,0015
XIX	6	114=+1,192 12=— ,062	+,0027	4	97=+1,005 24=—0,186	+,0011	1	142=+1,654 16=—0,109	+,0042	+,0028
XX	7	100=+1,134 17=— ,104	+,0025	10	97=+1,150 16=—0,117	+,0034	4	193=+2,292 18=—0,122	+,0047	+,0038
XXI	3	98=+1,205 13=— ,057	+,0041	5	96=+1,227 12=—0,104	+,0047	22	144=+1,873 19=—0,117	+,0052	+,0048
XXII	4	104=+1,274 10=— ,039	+,0045	13	89=+1,047 11=—0,049	+,0041	4	72=+0,910 6=—0,025	+,0057	+,0047
XXIII	2	97=+1,162 8=— ,039	+,0044	9	94=+1,259 13=—0,101	+,0051	4	57=+0,799 7=—0,029	+,0064	+,0053

On inspecting the several columns in the above table, we perceive (as indeed might have been expected), that the errors incident to observation, combined with the chance excess of + or — *true* Proper Motion—exert a very powerful sway over our results; examining the column "*Mean*," there is however a determination to *plus maximum* in the neighbourhood of O hours, which is certainly not the effect of chance:—on referring to the formulæ for the Precession in Right Ascension (c).

$$c = + 46'',021 + 20'',043 \sin. \alpha \tan. \delta$$

it is at once evident, that although a slight modification of the assumed General Precession of the Equinoxes may be necessary; still the cause of variation throughout this column remains unexplained: with regard to the effect of error in the Precession upon this table; it is necessary to know approximately, the situation of the stars observed: on referring to the Catalogues, it will be found that they are pretty evenly distributed, and that about one half of the whole number in each hour, is situated within ± 20° of Declination; thus,

if between	— 45°	and	— 40°	of Declination there are 26 Stars
then —	— 40	—	— 30	— — — 42 —
—	— 30	—	— 20	— — — 31 —
—	— 20	—	— 10	— — — 40 —
—	— 10	—	0	— — — 72 —
—	— 0	—	+ 10	— — — 100 —
—	+ 10	—	+ 20	— — — 100 —
—	+ 20	—	+ 30	— — — 88 —
—	+ 30	—	+ 40	— — — 47 —
—	+ 40	—	+ 50	— — — 55 —
—	+ 50	—	+ 60	— — — 42 —
—	+ 60	—	+ 70	— — — 86 —
—	+ 70	—	+ 80	— — — 20 —
—	+ 80	—	+ 90	— — — 4 —
				703 —

If we now compute for each hour of A. R.—the change of annual precession due to each of these 703 Stars from a change of 1″ in the value of the General Precession in Longitude—and then take the means,—they will exhibit to a sufficient degree of accuracy, the *nature* of the corrections which apply to the column "Proper Motion in A. R." in case the Precession has been wrongly assumed; thus

Error of the Column "Mean P. M. in A. R." corresponding to an error of 1″ in the General Precession in Longitude.

RIGHT ASCENSION.		*error in time.*
h.	*m.*	*s.*
0	30	= ,063
I	30	= ,065
II	30	= ,068
III	30	= ,070
IV	30	= ,071
V	30	= ,072
VI	30	= ,072
VII	30	= ,071
VIII	30	= ,070
IX	30	= ,068
X	30	= ,065
XI	30	= ,063
XII	30	= ,060
XIII	30	= ,058
XIV	30	= ,055
XV	30	= ,053
XVI	30	= ,052
XVII	30	= ,051
XVIII	30	= ,051
XIX	30	= ,052
XX	30	= ,053
XXI	30	= ,055
XXII	30	= ,058
XXIII	30	= ,060

Since then the disposition of the above numbers is not such as to explain the various values found in the column "Proper Motion in A. R.;" we will now consider what effect a motion of the Solar System in space would have upon the question: in the first place we notice with regard to its general effect—that there would be two opposite neutral points, situated in the axis of motion, and that at right angles to this—there would be a plane of maximum motion:—with regard to its effect upon our results for the A. R.—it is necessary to consider again the position of the Stars constituting the results: on consulting the table at page CXVII, it appears that the whole of the Stars may roughly be supposed—to be congregated about a circle of 15° of North Declination, or surrounding the pole at a distance of 75° from it: with this view of the subject, we perceive that our results should exhibit two zero points, and one of +, and another of —, maximum; and moreover, that the mean of the 24 results

should = 0; on taking the mean however, it comes out + *s*,0025: exhibiting with reference to the above table,—*that the General Precession in Longitude should be increased* 0″ ,0416;* If we now apply to our results the corrections due to this, and convert them into space, we have as follows—

Observed General Proper Motion of the Fixed Stars in A. R.

A. R.		P. M. Space		P. M. in arc of a great circle.
h.	*m.*	*s*		″
O	30	+ 0420	*or*	+ ,0368
I	30	+ ,0315		+ ,0266
II	30	— ,0015		— ,0000
III	30	— ,0060		— ,0026
IV	30	+ ,0090		+ ,0101
V	30	— ,0195		— ,0139
VI	30	— ,0165		— ,0114
VII	30	— ,0225		— ,0173
VIII	30	— ,0135		— ,0101
IX	30	— ,0240		— ,0190
X	30	— ,0165		— ,0127
XI	30	— ,0105		— ,0076
XII	30	— ,0030		— ,0024
XIII	30	— ,0315		— ,0264
XIV	30	— ,0255		— ,0203
XV	30	— ,0090		— ,0077
XVI	30	— ,0495		— ,0393
XVII	30	— ,0165		— ,0140
XVIII	30	— ,0090		— ,0076
XIX	30	+ ,0090		+ ,0089
XX	30	+ ,0240		+ ,0203
XXI	30	+ ,0345		+ ,0444
XXII	30	+ ,0345		+ ,0304
XXIII	30	+ ,0420		+ ,0368

The reduction into *arc*, has been effected with reference to the table at page CXVII on the supposition that the Declination of each group of Stars is constant, or the P. M. in *arc* = P. M. in space $\times \left(\frac{26.\ \cos 42^{\circ}\ 30' + 42.\ \cos.\ 35^{\circ} + 31.\ \cos.\ 25^{\circ} + \&c.}{703}\right)$

We will now leave the above table for the present, and proceed to take notice of the Annual Proper Motion in Declination. Taking the Means in each hour of A. R. we obtain as follows.

* Agreeable to the formulæ employed in deducing these three catalogues;—the Precession in A. R. for 1830 = 46″,0206 + 20,0426 *sin. a tan. δ*, whereas it would appear from this result, that the proper formulæ is =46″,0587 + 20,0577 *sin. a tan. δ*

Proper Motion of the Fixed Stars.

A Table of the observed Proper Motion of the Fixed Stars in Declination.

Vol. II. for 1832;—2881 Stars.				Vol. III. for 1834;—3003 Stars.			Vol. IV. for 1836;—2066 Stars.		
·.	P. M. Stars.	No. and sum of + & — P. M.	Mean.	P. M. Stars.	No. and sum of + & — P. M.	Mean.	P. M. Stars.	No. and sum of + & — P. M.	Mean.
1.		″	″		″	″		″	″
)	6	32= + 2,10 67= — 6,30	—, 0424	5	29= + 0,99 43= — 3,73	— ,0381	1	43= + 2,03 80= — 6,19	— ,0338
I	7	41= + 2,11 52= — 5,41	— ,0355	2	48= + 2,28 60= — 5.37	— ,0286	2	30= + 1,69 38= — 2,96	— ,0187
I	9	20= + 0,95 74= — 7.42	— ,0688	7	37= + 2,51 61= — 5,97	— ,0353	2	29= + 1,76 30= — 2,64	— ,0149
II	3	27= + 1,47 72= — 6,39	— ,0497	7	41= + 1,90 62= — 5,03	— ,0304	3	20= + 1,19 30= — 2,55	— ,0272
V	9	32= + 1,76 97= —10,23	— ,0657	5	51= + 3,19 70= — 6,36	— ,0262	2	28= + 1,70 27= — 2,18	— ,0087
V	9	38= + 1,95 88= — 9,04	— ,0563	3	53= + 3,96 74= — 6,99	— ,0239	4	38= + 1,96 30= — 2,00	— ,0007
VI	8	29= + 2,37 76= — 6,14	— ,0359	10	72= + 4,56 79= — 7,61	— ,0202	1	28= + 2,31 38= — 3,22	— ,0138
II	2	32= + 2,25 69= — 6,41	— ,0412	5	59= + 2,96 89= — 7,49	— ,0306	1	29= + 2,08 33= — 3,25	— ,0189
II	3	22= + 1,31 67= — 5,86	— ,0511	2	30= + 1,70 76= — 6,31	— ,0435	2	25= + 1,12 40= — 2,97	— ,0284
X	6	16= + 1,32 58= — 5,29	— ,0536	3	31= + 1,36 75= — 5,55	— ,0395	1	23= + 1,18 37= — 2,20	— ,0170
X	5	20= + 1,13 62= — 6,60	— ,0667	2	39= + 1,55 79= — 8,19	— ,0563	2	11= + 0,65 28= — 2,40	— ,0449
XI	5	23= + 0,74 55= — 5,25	— ,0568	6	28= + 1,45 92= — 8,64	— ,0599	1	6= + 0,31 36= — 3,76	— ,0821
II	5	22= + 0,96 60= — 5,59	— ,0565	3	51= + 3,47 87= — 8,14	— ,0338	2	10= + 0,39 40= — 4,46	— ,0814
III	7	18= + 0,95 68= — 6,81	— ,0681	2	46= + 2.57 90= — 7,45	— ,0359	6	24= + 1,31 52= — 4,27	— ,0389
IV	13	21= + 1,48 57= — 5,96	— ,0574	5	41= + 1,91 90= — 8,13	— ,0475	2	10= + 0,42 43= — 3,82	— ,0642
V	18	23= + 1,28 70= — 6,48	— ,0559	3	31= + 2,36 72= — 6,27	— ,0380	1	16= + 0,47 41= — 4,12	— ,0640
VI	9	24= + 1,81 73= — 8,07	— ,0645	6	38= + 1,94 95= —10,41	— ,0637	1	18= + 0,84 44= — 3,61	— ,0446
II	15	21= + 1,32 60= — 4,84	— ,0435	10	32= + 1,25 76= — 8,27	— ,0650	6	27= + 0,92 90= — 8,13	— ,0616
III	19	22= + 1,30 64= — 6,40	— ,0593	4	31= + 1,73 76= — 8,42	— ,0625	1	15= + 0,86 80= — 7,61	— ,0710
IX	19	29= + 1,30 82= — 7,88	— ,0593	4	33= + 1,90 80= — 8,20	— ,0558	8	32= + 1,28 119= — 11,28	— ,0662
X	6	40= + 2,55 78= — 8,66	— ,0535	5	43= + 3,03 85= — 9,12	— ,0476	4	52= + 2,85 158= —14,87	— ,0572
XI	12	26= + 1.73 75= — 7.65	— ,0586	2	33= + 1,50 78= — 7,76	— ,0564	3	53= + 2,76 130= —11,97	— ,0503
II	9	27= + 1,65 84= — 8,36	— ,0605	4	45= + 2,43 67= — 5,85	— ,0354	4	29= + 1,50 51= — 4,21	— ,0339
II	9	27= + 1,77 72= — 6,26	— ,0454	3	43= + 2,59 70= — 5,58	— ,0265	4	24= + 1,41 40= — 3,64	— ,0348

Here we find all the results affected with the sign *minus*, which leads us to enquire what circumstances may affect the Palermo or Madras Observations to account for such a disposition; in the first place, the latitudes l, l' of Palermo or Madras, may be wrong; and in the next place the error of the tables of refraction will enter; added to which any error in the General Precession in Longitude, will affect each result by a quantity $x.\ cos.$ A.R.; or each of the above results may possibly be erroneous to the amount $\frac{d\,l + d\,l + d\,r + d\,r'}{t}$ $+ x,\ cos.$ A. R.; which put $=$ S $+ x.\ cos.$ A. R.

With regard to the first of these terms, it will be observed—that its effect is constant throughout, for each catalogue; but would be larger upon that for 1832 than that for 1835 or 1836—in proportion to the value of t (the date since 1800); whereas the term depending upon the A. R., (which is common to each catalogue), being variable throughout the column, to the same extent $+$, as it is—, will be lost sight of on taking the mean of the 24 hours; thus—taking the mean for the 24 hours of the three catalogues we get

$$\text{General Annual P. M. in Declination.} = -\ ,0544 + \frac{S}{32,5}$$
$$= -\ ,0417 + \frac{S}{35}$$
$$= -\ ,0406 + \frac{S}{37}$$
$$\therefore S = +\ 3'',61$$

With regard to the value of $d\,l'$, we have no evidence to shew the extent of accuracy obtained, we only could have expected and wished, that the results of so great and good a catalogue as Piazzi's had in this respect been free from any serious error: the value of $d\,l'$ has already been found at page 73 to be— 1″; which is probably within a tenth or two of a second of the truth: to form an estimate of the value $d\,r$; it may be safely assumed, that the *uncertainty* of refraction, for altitudes above 10°—varies as the amount of refraction itself, or nearly as the tangent of the zenith distance of the Star; if then with reference to the table at page cxvii, we compute the value

$$\frac{26\ tan.\ 41^{\circ}\ 30' + 42\ tan.\ 35^{\circ} + 31\ tan,\ 25^{\circ} + \&c.}{703}$$

we find, that the uncertainty of refraction for the Palermo observations is such as would apply to a Star situated 43°,15 from the zenith; at which place, half a second is certainly the extreme limit of error, or $d\,r = \pm\ ',5$: with regard to the Madras results, the case is much more favorable, for the Stars are so evenly disposed on either side of the zenith, that it matters not what table

of refractions had been employed; hence $dr = 0$ and we have found altogether

$$S = 3'',61 = dl - 1'',0 \pm 0'',5 \pm 0 \therefore dl \text{ is between } 4'',1 \text{ and } 5'',1$$

or it would appear that the Latitude of Palermo is above 4″ less than that assigned to it by Piazzi.

A variation of above 4″ however, and that built only upon very slender grounds,—cannot for the present be admitted; we will therefore subtract the mean result of each catalogue from its several constituents' values, and then combine the results according to their weight; when, putting s, for the true correction which remains to be applied to these to render them just; and x for any error which may result from a wrong assumption of the General Precession, we obtain as follows—

A. R.		General P. M. in Declination.	Cord. General P. M. in Declination.
h.	m.	No. 1.	No. 2.
O	30	$s + ,0078 + ,991\,x$	$s - ,0071$
I	30	$+ ,0172 + ,923$	$+ ,0038$
II	30	$+ ,0032 + ,793$	$- ,0083$
III	30	$+ ,0099 + ,608$	$+ ,0009$
IV	30	$+ ,0072 + ,382$	$+ ,0015$
V	30	$+ ,0146 + ,130$	$+ ,0127$
VI	30	$+ ,0216 - ,130$	$+ ,0235$
VII	30	$+ ,0139 - ,382$	$+ ,0196$
VIII	30	$+ ,0037 - ,608$	$+ ,0127$
IX	30	$+ ,0073 - ,793$	$+ ,0188$
X	30	$- ,0121 - ,923$	$+ ,0013$
XI	30	$- ,0171 - ,991$	$- ,0023$
XII	30	$- ,0037 - ,991$	$+ ,0111$
XIII	30	$- ,0009 - ,923$	$+ ,0126$
XIV	30	$- ,0111 - ,793$	$+ ,0004$
XV	30	$- ,0043 - ,608$	$+ ,0047$
XVI	30	$- ,0142 - .382$	$- ,0085$
XVII	30	$- ,0134 - ,130$	$- ,0115$
XVIII	30	$- ,0190 + .130$	$- ,0211$
XIX	30	$- ,0160 + ,382$	$- ,0217$
XX	30	$- ,0090 + ,608$	$- ,0180$
XXI	30	$- ,0094 + ,793$	$- ,0209$
XXII	30	$+ ,0019 + ,923$	$- ,0115$
XXIII	30	$+ ,0108 + ,991$	$- ,0041$

In which s,—if the above error of 4″ in the Palermo Latitude be admitted, $= + ,''0595$.

Examining column No. 1, we find a pretty regular determination to + and —, which cannot possibly arise from accident; we notice—that any small correction for error of Precession, such as found at page cxix,—since it interferes in no respect with the *general tendency* of the numbers, it may be applied or not, at pleasure; to be consistent however, it will be proper to apply the

correction due to an alteration of, ″041 in the General Precession as found at page cxix; viz, ″,0150 cos. A. R.: thus *No.* 2. If we now divide the line A, B, Fig. 1 into 24 equal parts, to represent hours of A. R., and making use of any convenient scale—set off opposite to 0*h.* 30*m.* 1*h.* 30*m.* &c. the perpendiculars *a* 1, *a* 2, &c. corresponding to the values given in the table at page cxix, and perform the same for the above table; we get two series of lines 1, 2, 3, and 1, 2, 3, exhibiting in the first instance, the observed annual Proper Motion in A. R., of Stars supposed to be situated at 0*h.* 30*m.* 1*h.* 30*m.* &c. of Right Ascension, and at a distance of 75° from the North Pole; and in the second case, exhibiting the *nature* of the annual P. M. of the same Stars in declination, but not its *extent.* If we now with freedom draw a curve line through each of these series of points, conforming as nearly with them as is consistent with the character of a curve; we shall by measuring the ordinates, obtain corrected values of the Proper Motion, thus

Corrected Proper Motion.

		in A. R. in arc	in Declination.
h.	*m.*	″	″
0	30	+ ,0312	— ,0100
I	30	+ ,0250	— ,0070
II	30	+ ,0180	— ,0020
III	30	+ ,0135	+ ,0040
IV	30	+ ,0060	+ ,0100
V	30	— ,0035	+ ,0145
VI	30	— ,0110	+ ,0180
VII	30	— ,0160	+ ,0190
VIII	30	— ,0175	+ ,0180
IX	30	— ,0190	+ ,0170
X	30	— ,0200	+ ,0145
XI	30	— ,0210	+ ,0115
XII	30	— ,0210	+ ,0080
XIII	30	— ,0200	+ ,0040
XIV	30	— ,0190	— ,0015
XV	30	— ,0180	— ,0065
XVI	30	— ,0158	— ,0110
XVII	30	— ,0115	— ,0145
XVIII	30	— ,0045	— ,0175
XIX	30	+ ,0067	— ,0195
XX	30	+ ,0163	— ,0195
XXI	30	+ ,0240	— ,0175
XXII	30	+ ,0300	— ,0160
XXIII	30	+ ,0320	— ,0140

These numbers it will readily be admitted, have been arrived at in a legitimate way, and they are to all intents and purposes Proper Motions: since then it will not for a moment be contended that they represent "true" or actual Proper Motions of the Stars themselves, we will see how far the supposition of a motion of the Solar System in space will account for the several values;

for this purpose, on the centre P (fig. 3) with the chord of 75° describe a circle which divide into 24 equal parts, corresponding to the several points at which we have determined the Proper Motions: with reference to the P. M. in A. R. we find, that it arrives at O at about V and XIX hours; whereas to represent the effect of motion of the Solar System these points should be separated by 12 hours: let us then assume VI and XVIII to represent the zero points in A. R., and draw the line VI—XVIII: if we assume the point to which the motion of the Solar System is directed, to be situated any where in the direction P. XVIII, it will at once represent the nature of the above table for the A. R.: for the effect of advancing to any point N, being to increase the arc N. S. to N S′ (in which S. S.′ = M. *sin.* N S.) its effect at any point between 18*h.* and 6*h*, is to increase the Right Ascension, whereas at the corresponding points between 6*h.* and 18*h.* it causes a diminution to the like amount: examining these results, it appears on trial that no single value for M, will satisfy both of these tables; if we allow that Piazzi's Latitude has been correctly observed (and since writing the above, I find in the Nautical Almanac, from late observations an exact confirmation of the value assigned by Piazzi); then, the distance of the point N from P, comes out between 23° and 24°, a point which is sufficiently enough distinguished, as being the *Pole of the Ecliptic:* with regard to the Declination Proper Motions,—the very improbable result arrived at, at page cxxi from the mean of the whole 24 hours, teaches us—that little dependance can be placed upon individual results; and on examining different tables of refraction, it will be found, that the various corrections for temperature, which are given in one or other of these, offers a sufficient explanation for the want of agreement of the P. M. from the Declination observations with that found from the Right Ascensions. Since writing the above, on consulting the three several results of the table at page cxvi—instead of the *mean* which has hitherto been employed; I find that the determination to + and — maximum, is much more strongly marked in the first catalogue than it is in the second; and that the second is more strongly marked than the third:—Now this result is precisely the one which should obtain from a motion of the Solar System in space; for, on consulting the first catalogue (Vol. II.) it will be found to contain several stars of the first and second magnitudes, and a great many of the third and fourth &c. or it may be assumed that—

For the Catalogue in Vol. II. the average mag. = 5,4
——— ———III. ——— ——— = 6,4
——— ———IV. ——— ——— = 7,8

Although in individual instances,—the degree of brightness exhibited by the fixed stars cannot be assumed as a measure of their relative distances; still in large catalogues such as the above, it is natural to suppose that—taken *en masse*, those are nearest to us which are the brightest; hence the stars in Vol. II. from being brighter—nearer to us—should render a movement of the Solar System in space more apparent than those given in Vol. III or IV: with this view of the subject, the anomalies met with at pages cxxi and cxxii, (where the P. M. in Declination from the three catalogues gave S = 3″ ,61 and Piazzi's Latitude above 4″ in error) are fully explained and accounted for: and for the present it may be assumed—*that the Solar System is in motion in space, and that its motion is directed towards the North Pole of the Ecliptic;* and, exhibiting in the fixed Stars with reference to their *average distance* (if such an expression can be tolerated),—an annual change of place in Latitude, to the amount +″,059 *cos. Lat. of the Star.*

SUPPLIMENTARY OBSERVATIONS AND MEMORANDA.

In the ordinary course of Observing and computing, it often happened—that an appearance different from ordinary, an error, an omission, or a discordance of some kind or other—has offered, which it was desirable should be placed on record, or, that the matter if doubtful, should on a subsequent occasion be re-examined &c.—in either of these cases the observing or computing books not offering sufficient accommodation for remarks, and in some cases being in-appropriate,—I have been in the habit of entering into a memorandum book, these circumstances &c. as they have occurred, and in the course of printing, when opportunity has offered—I have availed myself of its contents;—several of these memoranda which still remain, are for my own private, information and guidance, whilst others again—appear to belong to this work: such as they are, I have thought it best to give them here in the rough manner and order in which they have been made, thus—

MEMORANDA &C.

I. Re-examined the N. P. D. of 40 *Lyncis r* which exhibits a strange disagreement when compared with the Greenwhich place—thus

				Reduced to Jan. 1, 1835. ° ′ ″
Greenwhich place from observations in			1825	54 54 52,76
Madras	——	——	1831	58,20
	——	——	1832	57,45
	——	——	1833	57,38
	——	Jan.	1835	

			° ′ ″		
1836	March	26	54 55 12,01		
	April	13	10,61	1836	56,25
	——	16	10,59		
1837	Feb.	4	11,92		
		18	12,08		
	March	6	11,73		
		7	12,76	1837	57,53
		18	12,69		
		19	12,32		
		20	12,84		
	April	13	12,47		

II. No. 171 in II hours is preceded by another Star at 16 seconds, whereas Piazzi says at 12 seconds.

III. No. 152 in IV hours:—Piazzi's Declination probably five minutes in error; examine this.

IV. No. 64 in IX hours is not observed:—I looked for it on the 29th and 30th April 1837 (it being very clear), saw No. 65 but 64 had disappeared.

V. No. 15 in XI hours:—It is very extraordinary that Piazzi has not noticed the star following this at 4—5 seconds, and 23″ to the North.

VI. No. 154 in XII hours:—in Piazzi's Catalogue the A. R. is given 187° 36′ 50″,4; instead of 187° 39′ 50″,4 *I imagine.*

VII. No. 39 in XIII hours:—Piazzi's Annual Precession is erroneous, hence the Right Ascension is probably so too.

VIII. No. 25 in XIII hours:—Piazzi gives diff. Declination between this and the accompanying Star = 16″,9
whereas from our obs. 1837 May 23 = 25″,0
—— 24 = 27″,2

IX. No. 12 in XXI hours:—or No. 2511 of R. A. S. C. the proper Motion is determined by B. F. with P = — 1″,09
—— —— P —— P = — 0″,60
—— —— P —— T = + 0″,09

X. No. 168 in XVIII hours:—On the 25th April 1837, I observed two stars here, 5′ *North* and 0,60*s*. *following*.

XI. No. 53 in XIX hours:—Piazzi says, "6″,2 temporis alia 8,9 æ magnitud. praecedit, 3′ ad Boream": it now in (1837) differs 7,8 seconds.

XII. No. 106 in XIX hours.—May 3d 1837 I observed two stars here; Piazzi has not noticed this—

XIII. No. 252 in XIX hours:—Two observations with the Transit give the A. R. 1*m.* or 15′ different from Piazzi; in the Catalogue I have through inadvertence supposed our results to be erroneous; but this must be re-examined.

XIV. No. 103 in XX hours:—Piazzi mentions a Star accompanying this, its place now is { A. R. 20*h.* 13*m.* 19,98*s.* / Dec. —6° 11′ 58″,25 } January 1, 1836.

XV. No. 221 in XX hours:—Piazzi says "8″ temporis 6′ ad austrum alia 8 æ magn. sequitur: I cannot find this Star, but have observed one 20 seconds *preceding* and 6′ to the South—examine this again.

XVI. No. 286 in XX hours:—This Star is not to be found in the place assigned from Piazzi's Catalogue; the nearest Star is 10—11 minutes of space distant.

XVII. No. 42 in XX hours:—I re-examined the place of this Star on the 14th September in 1837, when the A. R. January 1, 1837 came out 20*h.* 4*m.* 37,94*s.* confirming the large P. M.—,330*s.* found in Vol. III.

Errata in the present Volume.

Page 4 line 15 for observations *read* observation.
No. 183 Mag. 8 —— 6
— — Declin. No. Obs. 2 = 32″,36 *read* 4 = 20″,92
— — ——— P. M. for +,15 *read* —,12
1225 Log. d — — +4, 5105 —— —4, 5105

Additional Errata in Vol. II.

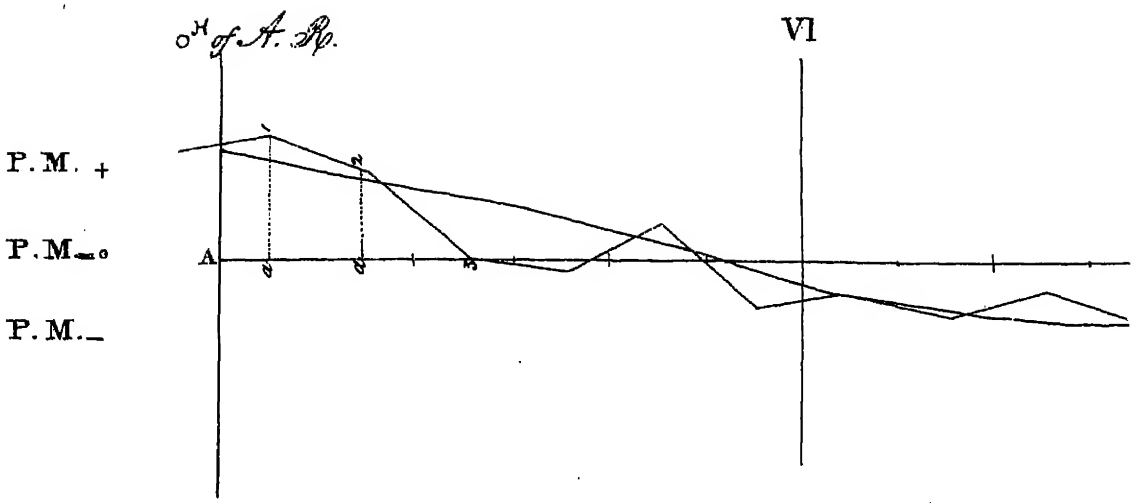
In the Catalogue No.	21	N. P. D.	for	46″,27	*read* 43″,27	
	109	———	—	100° 51′	— 100° 52′	
	147	Ann. Pre. A. R.	—	4,833*s.*	— 3,833*s.*	
	155	——	—	1*h.* 17*m.*	— 1*h.* 18*m.*	
	157	——	—	1*h.* 18*m.*	— 1*h.* 19*m.*	
	274	——	—	2*h.* 2*m.*	— 2*h.* 28*m.*	
	701	——	—	5*h.* 34*m.*	— 5*h.* 33*m.*	
	805	——	—	45,70*s.*	— ———	it was not obsd.
	989	N. P. D.	—	66° 55′	— 66° 53′	
	1365	———	—	102° 17′	— 102° 16′	
	1540	———	—	90° 27′	— ———	a wrong star.
	1690	———	—	110° 36′	— 110° 38′	
	1968	A. R.	—	54,62*s.*	— 53,62*s.*	
	2051	——	—	17*h.* 46*m.*	— 17*h.* 47*m.*	
	2110	——	—	18*h.* 12*m.*	— 18*h.* 13*m.*	
	2174	——	—	26,32*s.*	— 36,32*s.*	
	2455	N. P. D.	—	56° 32′	— 56° 39′	
	2456	A. R.	—	52,95*s.*	— 29,19*s.*	

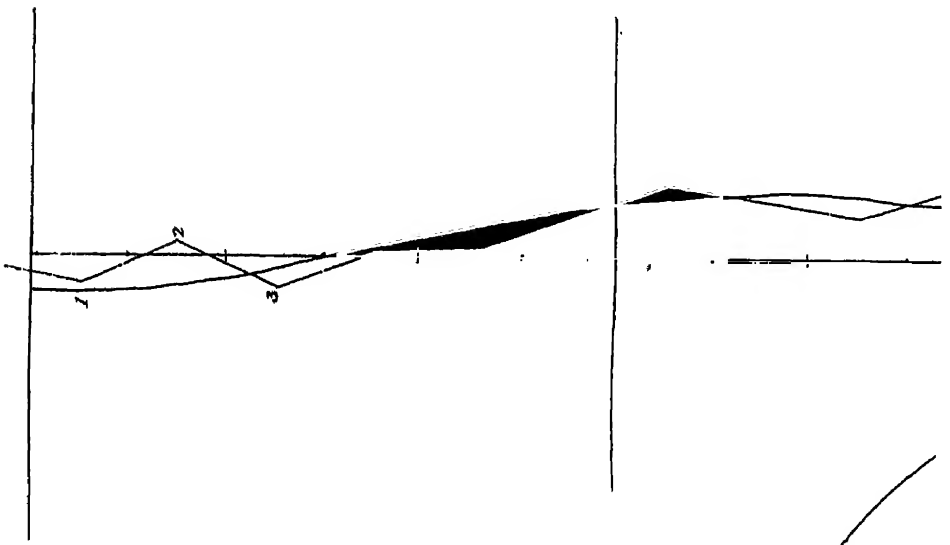
Additional Errata in Vol. III.

In the Catalogue at pages xx, xxvi, xxxii, xxxiv, xxxviii and xliv, correct the date to 1835.

No.	69	A. R.	for	16,54*s.*	*read* 17,54*s.*	
	98	——	—	9,09*s.*	— 11,07*s.*	
	403	——	—	4,41*s.*	— 1,10*s.*	
	436	——	—	55° 69	— 56° 55	
	718	——	—	58,87*s.*	— 53,60*s.*	& P. M. = +,009*s.*
	746	——	—	44,23*s.*	— 40,75*s.*	& P. M. = ,000*s.*
	827	——	—	41,28*s.*	— 41,85*s.*	& P. M. = ,078*s.*
	838	Piaz. No.	—	329	— 332	
	* 838	Declin.	—	1=34,85	— 19″,44	& correct P. M. = —0″,48
	841	P. M. Declin.	—	+″,08	— +0″,37	
	980	—— A. R.	—	—,108*s.*	— +,001	
	993	——	—	783*s.*	— 8,54*s.*	
	1109	P. M.——	—	—,057*s.*	— ,000*s.*	
	1162	P. M.——	—	—,116*s.*	— ,023*s.*	
	1655	A. R.	—	49,17*s.*	— 49,69*s.*	
	1660	——	—	19,09*s.*	— 19,75*s.*	
	2096	Log. C	for	—0,6218	*read* +0,6218.	
	2193	Declin.	—	13,15*s.*	— 13,14*s.*	
	2221	A. R.	—	51,75*s.*	— 52,14*s.*	
	2452	Declin.	—	14°30′	— 16°30′	
	2453	——	—	Cancel the result.		
	2528	P.M. in A.R.	—	—,140	— —,330	

* This however must be re-examined.





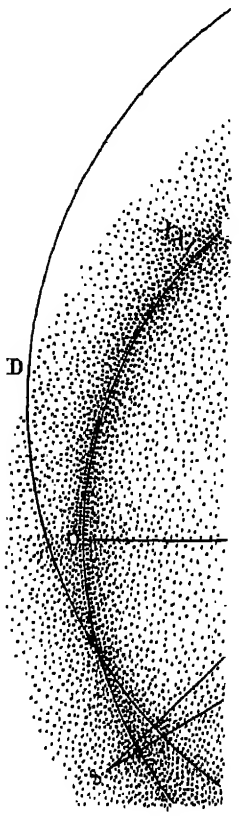


Fig. 3.

RESULT

OF

ASTRONOMICAL OBSERVATION

MADE AT

THE HONORABLE,

THE EAST INDIA COMPANY'S OBSERVATORY

AT MADRAS.

BY

THOMAS GLANVILLE TAYLOR Esq.

ASTRONOMER TO THE HONORABLE COMPANY.

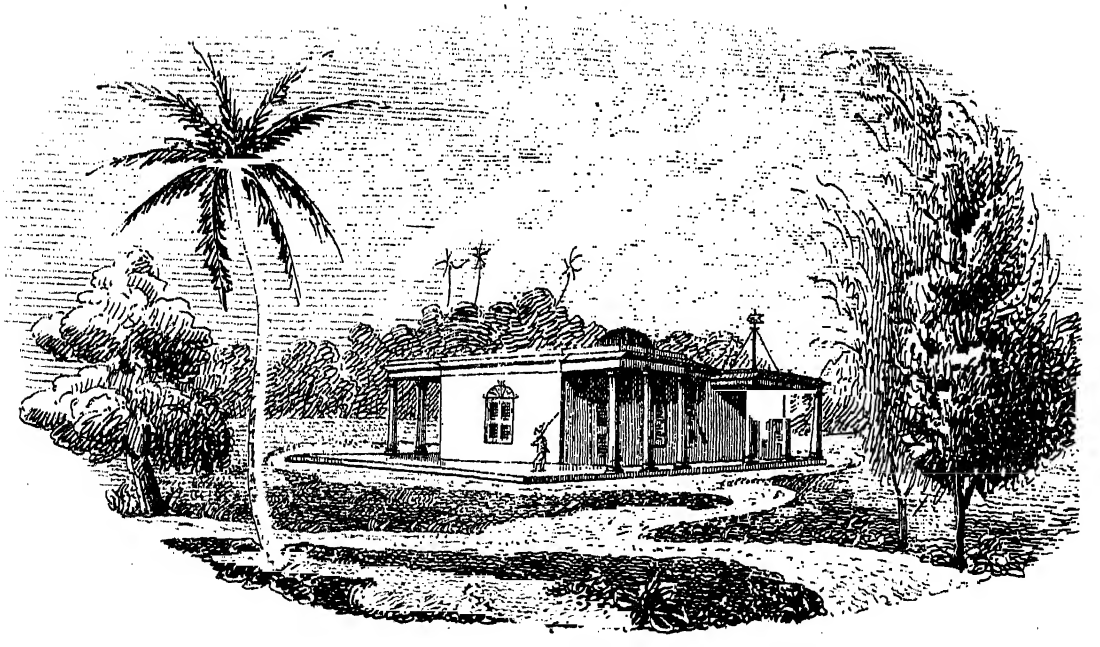
VOL. V.

FOR THE YEARS 1838 AND 1839.

PRINTED

BY ORDER OF THE

MADRAS GOVERNMENT.



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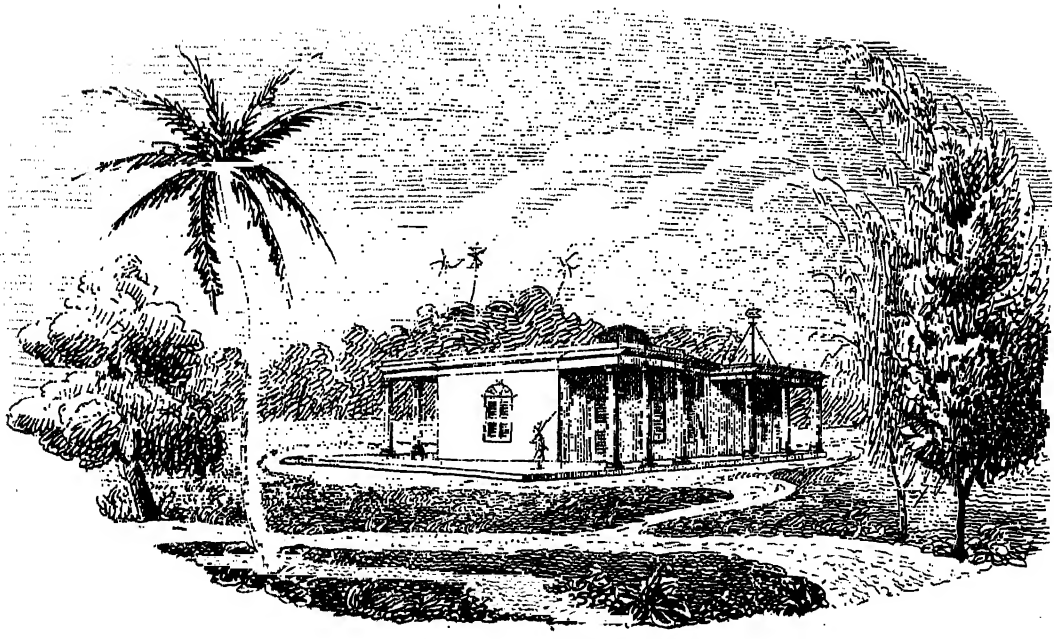

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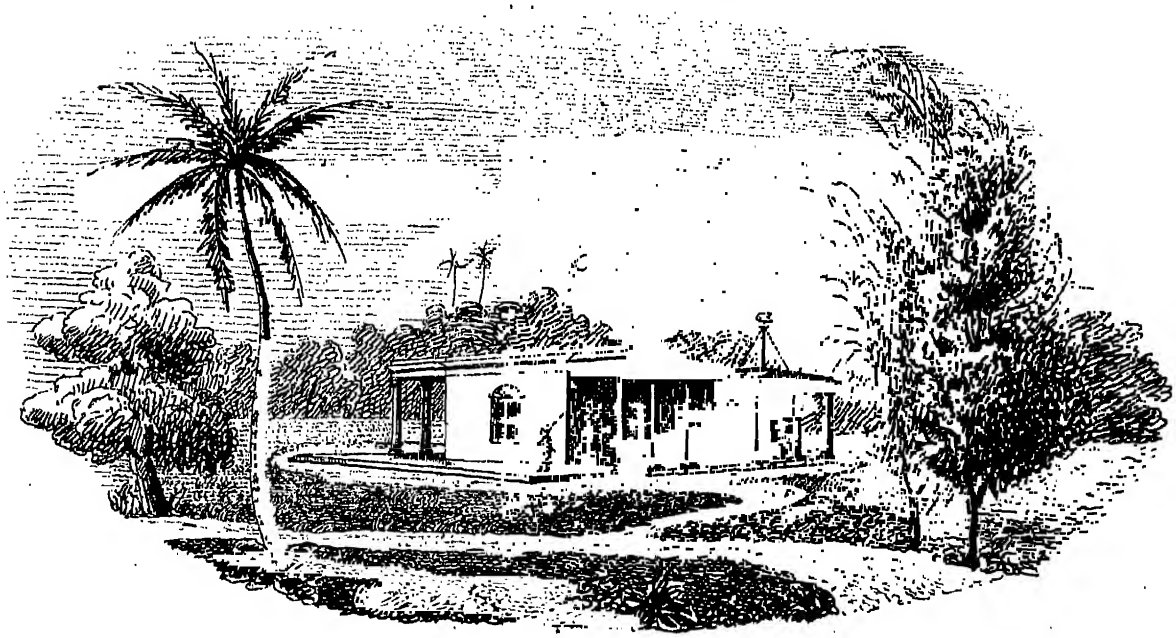

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MDCCCXXXIX.

PREFACE.

The present volume it will be observed, differs from those which have preceeded it in one or two essential points, which circumstance and the cause, it is necessary here to explain. The printing of the Catalogue now given was commenced about the middle of the year 1839, when the stars situated near to 0 hours of Right Ascension had been observed ; and towards the end of November, the printing of the Catalogue as well as the Observations contained in it were together completed. On proceeding with the reductions of the observations of the Sun and the usual comparison with the Nautical Almanac, the same want of accordance between the errors of the tables from day to day as had hitherto been met with—continued to occur ; The distances of the Planet Mars too, from stars situated in his neighbourhood, were as ill accordant as ever, and the distances of fixed Stars from one another, separated by a degree or two only of space—when compared with similar observations at other Observatories, occasionally exhibited discrepancies to the amount of several seconds of space! In fact it was evident--either that the Observations made by myself or those made by other observers were in error, or, that the fault laid with the instruments with which the observations had been made. I had already, on two occasions, determined that the errors of division of every fifth degree of the Madras Mural Circle were of small amount, and had ascertained in the usual way, that several promiscuous divisions were situated within a trifling and insignificant amount of 180° from those which should be opposite to them, but hitherto no systematic examination had been carried beyond this. Thus circumstanced, I resolved to examine rigidly the errors of each single degree, *not* as had been done hitherto—by comparing the several divisions with those at 90° or 180° distance, but by comparing strictly each pair of opposite divisions with those joining the divisions 0° and 180°. The result of this examination has shewn, that in addition to casual errors, there exists a uniform and systematic amount of error—that nearly every division on the circle is situated in advance of its proper place relative to the diameter 0°—180°, and that in some cases, the combined errors amount to nearly ten seconds! I now proceeded to the examination of the divisions at 15, 30, & 45 minutes, and eventually extended it to each 5 minutes of the circle, as is fully explained in the proper place. The time occupied in this investigation (which has been gone twice over), and the nature of the result arrived at, has necessarily prevented me from proceeding with the reductions of the observations of the Sun and Planets, and now that I am somewhat at liberty to proceed with these, the appearance of an un-

unexpected visitor (the Comet) added to the circumstance of my approaching departure for England, renders it unavoidable—but that the present volume should be given as far it goes, leaving it to my successor to give in a future volume what is omitted in the present one.

But to return to the subject of error of Division:—the correction of from sixty to eighty thousand observations which have already been made with the Circle, is a work which I almost despair of seeing accomplished speedily,—in which case, with a view to repair the existing errors to a serviceable extent, I have given a table of corrections to be applied to any given result (depending upon the division employed) on the supposition of the Index Error being subject throughout to an average error, a condition to which it necessarily must approximate: and for the observations which may hereafter be made, the present known errors of each division, will without doubt—render the results which may be arrived at, fully as accurate as if the best attainable division had been trusted to: and, considering the difficulty of effecting division to ultimate accuracy, will it not in future be much the best and safest plan, to trust to ordinary engine dividing, and let every Astronomer find the errors of division of his own Instrument before using it?

T. G. TAYLOR,
H. C. ASTRONOMER.

MADRAS OBSERVATORY,
20*th* *January* 1840.

ON THE OBSERVATIONS OF THE FIXED STARS IN 1838-1839.

The observations of the fixed Stars in 1838 and 1839, have been particularly and solely directed to those situated in the Southern Hemisphere: a step I was induced to follow, in consequence of the recommendation of Sir J. F. W. Herschel to that effect, and further—from the consideration that the catalogue of stars which had lately been published from Sir Thomas Brisbane's observations at Paramatta, (the only modern catalogue of Southern Stars) had been derived principally from a single observation only, whereby it must be expected that error had occasionally intruded; added to which, the determinations of A. R. exhibited a general and not very regular series of *minus* errors, which rendered a re-observation of this extensive catalogue highly desireable. On examination, I found that the Madras Catalogues given in Vol II—IV already contained several of these stars, and several others were situated too near to the South Pole, or passed the meridian too near to the horizen to be visible; added to which the uncertainty of refraction at altitude below 15° render observations of Declination within this limit, of comparatively little worth; hence I determined to re-observe the Brisbane Catalogue with the exception of those stars situated within 28° of the South Pole, and of those whose places had, already been given in the former Volumes of the Madras Observations. The Catalogue thus selected was a formidable one (containing above 5000 stars), which, as it was my intention to bestow two years only on its observation, it was evident could not be readily accomplished, I therefore struck out several stars of the 8th and 8.9 Magnitude, and began to observe in the first instance always the brighter stars: the result of these alterations have eventally reduced the Catalogue to its present extent (3455 Stars).

It had been my intention, to make three observations of each star, a plan which has on the whole been pretty nearly accomplished, but the unusual extent of cloudy weather during the months June —November, has rendered the Catalogue in the hours XVI and XVII less complete than I could have hoped for. In the column "No obs", is exhibited the number of observations made at the Circle *as well as* at the Transit Instrument—the observations having in each case been made simultaneously at either instrument. As this circumstance is perhaps new, I may as well mention now it was effected, thus; the Transit Observer in the act of setting the instrument, repeated aloud the N. P. D. of the Star he was about to observe, and the exclamation, "entering the field" "near the first wire" &c—or if three or four stars were visible—"North proceeding" or "South following" &c—rendered it next to imposible but that the same star should be observed at both Instruments.

The names have been principally derived from a Cary's celestial globe, and express in most cases, simply the constellation in which the star occurs.

The magnitudes, are the mean of the estimations from both Instruments: in a generaly way they exhibit numbers agreeing pretty well with those set down in the Brisbane Catalogue, down to 30° of

altitude, below which, the magnitudes observed at Madras are smaller (as might be expected) than those observed at Paramatta.

The reductions have been effected as heretofore, by the values A, B, C, D, as furnished in the Nautical almanacs, in conjuction with those of a, b, c, d, &c which are here given: these latter values have been computed for the year 1845 by applying 20 times the amount of annual variation to the place for 1825 as given in the Brisbane catalogue: the formulae employed are as follow.

$$a = + \cos \alpha . \sec \delta \qquad a' = + \tan \omega . \cos \delta - \sin \alpha \sin \delta$$

$$b = + \sin \alpha . \sec \delta \qquad b' = + \cos \alpha . \sin \delta$$

$$c = + 46'', 025 + 20'', 041 \sin \alpha . \tan \delta \qquad c' = + 20'', 041 . \cos \alpha$$

$$d = + \cos \alpha . \tan \delta \qquad d' = - \sin \alpha$$

The table of refractions employed, is that given by Mr. Atkinson in the III Vol of the Royal Astronomical Society's Memoirs; I have already explained, that my choice in this respect, was decided on comparing the observations of stars at low altitudes at Greenwich as reduced by employing the tables of Ivory, Young, Brinkley, Bradley and Groombridge; when, the table by Mr Atkinson gave results more accordant than either of the above.

Accompanying the Greenwich observations for 1836 is a table of refractions from formulae furnished by Professor Bessel, which of course would not have been selected by the Astronomer Royal in preference to all others, had they not on a theoretical or practical examination evinced their claims to superior merit; be this as it may, I have thought it would not be amiss here to shew, how nearly the refractions computed from the formulae of Bessel or Atkinson agree; thus, if B. represent the refraction computed under any circumstances from Bessel's formulae, and A, that derived from Atkinson, we get as follows.

Barometer 29,60 *Inches.*

Z. D.	Fahrenheit Thermometer.				
	50°	60°	70°	80°	90°
	B.—A.	B.—A.	B.—A.	B.—A.	B.—A.
°	″	″	″	″	″
10	— 0,03	— 0,00	+ 0,03	+ 0,07	+ 0,14
20	— 0,06	— 0,01	+ 0,08	+ 0,14	+ 0,21
30	— 0,09	— 0,01	+ 0,11	+ 0,22	+ 0,33
40	— 0,15	— 0,00	+ 0,14	+ 0,31	+ 0,48
50	— 0,20	— 0,02	+ 0,21	+ 0,45	+ 0,68
60	— 0,33	— 0,05	+ 0,27	+ 0,61	+ 0,95
65	— 0,44	— 0,14	+ 0,32	+ 0,73	+ 1,14
70	— 0,56	— 0,19	+ 0,34	+ 0,86	+ 1,37
75	— 0,84	— 0,29	+ 0,32	+ 0,97	+ 1,65
80	— 1,31	— 0,61	+ 0,16	+ 1,02	+ 1,90

Barometer 30,00 *Inches.*

Z. D.	Fahrenheit Thermometer. 50° B.—A.	60° B.—A.	70° B.—A.	80° B.—A.	90° B.—A.
°	″	″	″	″	″
10	— 0,03	— 0,01	+ 0,04	+ 0,07	+ 0,10
20	— 0,06	— 0,02	+ 0,07	+ 0,14	+ 0,21
30	— 0,10	— 0,03	+ 0,11	+ 0,22	+ 0,34
40	— 0,15	— 0,05	+ 0,17	+ 0,31	+ 0,48
50	— 0,21	— 0,07	+ 0,24	+ 0,45	+ 0,69
60	— 0,32	— 0,12	+ 0,31	+ 0,61	+ 0,96
65	— 0,42	— 0,18	+ 0,37	+ 0,74	+ 1,16
70	— 0,56	— 0,27	+ 0,37	+ 0,86	+ 1,39
75	— 0,85	— 0,49	+ 0,38	+ 0,98	+ 1,67
80	— 1,31	— 0,80	+ 0,27	+ 1,04	+ 1,94

Here we perceive that the difference between the two tables is independant of the Barometer, and is dependant, perhaps, altogether, upon the thermometer, inasmuch as, at a temperature of 65° Fahrenheit it matters not which table of refractions be employed. Now the Madras observations, having been directed to the observation of a numerous catalogue of Stars, it necessarily follows, that few stars have been *frequently* observed, whereby we could compare observations at extreme temperatures; indeed, on examination, I find that one star only (Polaris S. P,) has been observed under different temperatures, a sufficient number of times to render a result at all worthy of notice, thus,

POLARIS *(Sub Polo.)*

At Temperatures not exceeding 75°

	Barom.	Therm. In	Therm. Out	Observed N. P. D.	Aber. and Precession.	Index Error.	Declination Jan. 1. 1836. uncor. for ref.
				° ′ ″	″	′ ″	° ′ ″
1833 Dec. 30	30,122	74,4	71,0	358 31 30,8	+ 25,46	— 1 26,89	88 30 29,37
1834 Jan. 1	102	75,0	72,0	31 29,4	+ 25,30	— 1 29,35	25,35
3	024	71,0	68,0	31 36,3	+ 25,14	— 1 28,61	32,82
1835 Dec. 26	130	69,2	67,9	32 57,0	— 15,38	— 2 10,31	31,31
27	138	70,8	65,8	33 0,6	— 15,51	— 2 10,31	34,75
29	104	69,8	67,9	32 57,1	— 15,73	— 2 10,28	31,[illegible]
30	152	70,8	67,3	32 59,1	— 15,85	— 2 10,28	32,97
1836 Jan. 1	100	73,0	67,9	32 58,8	— 16,68	— 2 11,26	30,86
2	116	74,0	72,6	32 56,2	— 16,17	— 2 11,26	28,77
24	196	69,9	64,7	33 1,3	— 16,50	— 2 9,19	35,61
1837 Jan. 6	30,020	72,2	72,0	31 56,4	— 37,91	— 0 44,00	34,49
17	29,986	70,4	66,2	31 51,2	— 38,13	— 0 44,07	29,00
23	906	73,2	68,2	31 49,9	— 37,93	— 0 44,02	27,95
24	898	74,2	71,9	31 49,2	— 37,88	— 0 43,79	27,53
Feb. 26	866	74,4	71,2	31 42,7	— 32,75	— 0 41,17	28,78
1838 Dec. 20	30,116	73,8	72,0	30 39,3	—119,27	+ 1 3,78	23,81
							30,28
	30,061	72,2	69,2	Mean of 16 observations.			

And further we have,

POLARIS (*Sub Polo.*)

At Temperatures above 75° and below 85°

	Barom.	Therm. In	Therm. Out	Observed N. P. D.	Aber. and Precession.	Index error.	Declination Jan. 1. 1836. uucor. for ref.
				′ ° ″	″	′ ″	° ′ ″
1831 Feb. 20	30,000	80,7	79,8	358 30 46,4	+126,00	— 1 47,46	88 30 24,94
Apr. 20	29,930	83,5	82,1	29 45,5	42,98	1 5,00	23,48
22	870	83,3	83,1	40,8	43,56	1 5,00	19,36
23	940	84,0	83,9	41,1	43,84	4,38	20,56
24	937	83,5	84,1	41,5	44,12	4,38	21,24
25	917	83,2	83,9	40,0	44,40	3,80	20,60
26	850	83,0	84,7	38,7	44,68	3,80	19,58
27	830	84,8	84,9	37,6	44,95	0,89	21,66
30	788	84,7	85,8	38,2	45,76	0,89	23,07
May. 8	865	84,5	84,8	31,5	47,65	0 57,37	21,78
18	826	84,0	85,0	12,2	49,68	0 43,82	18,06
1833 Mar. 30	30,016	81,0	78,0	32 34,4	+118,67	3 28,36	24,71
31	012	80,1	76,5	30 33,3	18,97	28,57	23,70
Apr. 1	032	78,2	75,1	32 34,9	19,27	28,13	26,04
2	042	78,9	77,2	32,0	19,57	28,13	23,44
4	29,982	80,4	77,9	31,2	20,19	27,61	23,78
5	952	79,0	78,0	28,5	20,50	27,61	21,39
6	952	80,2	79,4	28,5	20,81	27,61	21,70
7	928	81,2	80,5	25,6	21,12	27,61	19,11
10	30,114	81,5	79,5	32,1	22,08	27,61	26,57
1833 Jan. 6	114	76,2	75,2	47,2	44,57	3 4,56	27,21
10	182	76,2	73,9	49,8	44,37	4,56	29,61
Apr. 18	29,980	84,1	83,0	30 49,9	1 5,14	1 33,24	21,80
Nov. 28	30,130	79,6	80,0	31 14,6	0 31,62	24,30	21,92
Dec. 1	150	77,0	77,5	18,3	30,93	24,30	24,93
2	107	76,4	76,3	19,5	30,65	24,30	25,85
4	062	79,3	79,0	20,6	30,12	24,85	25,87
5	060	80,2	80,0	19,1	29,87	24,85	24,12
6	060	80,2	80,0	19,2	29,62	25,52	23,30
8	100	78,2	77,5	23,7	29,14	26,57	26,27
9	100	78,2	76,9	23,6	28,91	26,90	25,61
10	060	76,1	73,5	25,3	28,69	27,75	26,24
11	056	75,8	74,0	25,0	28,48	27,75	25,73
12	038	76,7	76,1	24,7	28,28	27,75	25,23
18	048	78,4	77,0	23,1	27,15	25,86	24,39
24	050	76,4	72,3	30,8	26,22	27,98	29,04
25	050	77,3	74,3	29,1	26,08	27,98	27,20
26	092	75,9	72,2	30,4	25,94	27,98	28,36
1834 Jan. 5	30,032	76,9	72,5	32,6	25,04	28,92	28,72
13	044	77,1	77,0	30,3	24,77	29,90	25,17
14	066	77,8	75,1	34,0	24,76	30,40	28,36
1836 Apr. 24	29,962	83,4	82,0	32 15,6	+ 5,15	2 1,72	19,03
26	988	84,4	82,3	15,9	5,68	1,72	19,86
27	30,020	82,8	81,3	15,8	5,95	1,72	20,03
28	29,970	83,8	81,7	14,1	6,21	1,72	18,59
29	946	84,0	82,0	15,2	6,47	1,72	19,95
30	916	84,0	81,8	14,8	6,71	1,72	19,79
May. 1	966	84,0	81,6	15,2	6,96	1,72	20,44
	30,007	79,9	79,0	Mean of 48 observations			19,49

And further we have

POLARIS *(Sub Polo.)*

At Temperatures above 85°

	Barm.	Therm. In	Therm. Out	Observed N. P. D.	Aber. ann. Precession.	Index error	Declination Jan. 1. 1836. uncor. for ref.
				° ′ ″	′ ″	′ ″	° ′ ″
1833 April 28	29,804	85,2	85,9	358 29 38,9	+ 1 45,42	— 1 0,89	88 30 23,43
May 4	750	86,6	86,6	37,1	46,66	1 0,01	23,75
5	826	86,2	86,2	34,1	46,90	1 0,01	20,99
9	803	86,0	85 0	28,5	47,86	0 57,37	18,99
14	843	86,5	85,0	27,5	48,90	0 56,95	19,45
15	830	85,3	85,0	27,7	49,10	0 56,95	19,85
16	890	86,3	84,7	15,2	49,30	0 45,55	18,95
20	804	89,0	89,0	13,9	50,10	0 43,82	20,18
21	812	89,2	88,0	8,3	50,29	0 43,82	14,77
23	777	91,3	90,0	6,0	50,62	0 41,51	15,11
24	790	90,2	88,8	7,9	50,82	0 41,51	17,21
25	800	89,7	88,2	6,2	51,00	0 39,36	17,84
26	820	89,7	89,9	6,2	51,15	0 39,36	17,99
28	760	89,7	89,7	36,1	51,39	1 10,41	17,08
June 3	668	91,2	92,8	37,4	52,17	1 11,25	18,32
30	750	86,7	87,4	37,8	53,15	1 9,71	21,24
1835 June 28	830	89,5	89,7	5,6	35,05	2 22,38	18,27
29	840	87,0	85,0	4,8	35,02	2 24,91	14,91
July 1	854	81,0	86,0	9,9	34,93	2 22,82	22,01
1836 May 5	926	86,0	84,0	9,8	7,92	2 0,88	16,84
8	902	90,6	87,5	10,9	8,63	2 0,88	18,65
9	874	92,0	87,8	11,5	8,84	2 2,27	18,07
11	898	91,8	87,3	11,6	9,28	2 2,27	18,61
15	884	89,1	85,0	9,4	10,08	2 2,21	17,27
16	922	88,0	85,2	9,9	10,28	2 2,21	17,97
18	908	88,7	87,6	9,2	10,66	2 1,06	18,80
20	908	89,4	87,9	7,9	11,00	2 1,76	17,15
22	936	87,6	85,9	10,6	11,34	2 1,86	20,08
23	938	88,5	87,0	9,0	11,50	2 1,86	18,64
June 17	850	88,7	87,8	1,4	13,83	1 59,19	16,04
18	816	88,3	87,3	0,2	13,85	1 59,20	14,58
	29,836	88,2	87,2				18,49

Puting r, r'. r'' to represent the refractions which in these three cases apply, and taking the means, we get as follows.

Barometer	Thermometer In	Thermometer out	No obs.	Declination of Polaris January 1 1836
Inches	°	°		° ′ ″
30,061	72,2	69,2	16	88 30 30,28 + r
30,007	79,9	79,0	48	23,42 + r'
29,836	88,2	87,2	31	18,49 + r''

If we now compute the values of r r' &c. from the tables given by Atkinson and Bessel we get as follows.

	employing THERMOMETER IN ATKINSON	BESSEL	*employing* THERMOMETER OUT ATKINSON	BESSEL
	′ ″	′ ″	′ ″	′ ″
r	—4 24,92	—4 25,38	—4 26,76	—4 27,00
r'	19,80	20,87	20,34	21,34
r''	13,38	15,18	13,97	15,67

whence we get as follows—

	FROM OBSERVATION	ATKINSON Thermometer IN	ATKINSON Thermometer OUT	BESSEL Thermometer IN	BESSEL Thermometer OUT
$r - r'$	6″,86	5″,12	6″,42	4″,51	5″,66
$r - r''$	11 ,79	11 ,54	12 ,79	10 ,20	11 ,33
$r' - r''$	4 ,93	6 ,42	6 ,37	5 ,69	5 ,67

If we now subtract the tabular values of $r - r''$ &c. from those observed, we get

	ATKINSON'S TABLES. errors ″	squared	sum	BESSEL'S TABLES. errors ″	squared	sum
Thermometer in	1,74	3,0276	5,310	2,35	5,5225	8,628
	0,25	0,0625		1,59	2,5281	
	1,49	2,2201		0,76	0,5776	
Thermometer out	0,44	0,1936	3,267	1,20	1,4400	2,181
	1,00	1,0000		0,44	0,1936	
	1,44	2,0736		0,74	0,5476	

Exhibiting—as far as the correction for temperature is concerned, that Bessel's refraction (Thermometer OUT) better satisfies observations at low altitudes and high temperatures than does Atkinson's: and, that when Atkinson's table is employed, the out door Thermometer should be used.

If we now apply the above values for r, r' &c. to the unreduced places, we obtain.

		Mean Declination of Polaris. January 1. 1836. °	′	″
Employing Atkinson's tables — Thermometer in	+	88	26	4,41
——— ——— ——— ——— out	—	—	—	3,63
——— Bessel's ——— ——— in	—	—	—	3,19
——— ——— ——— ——— out	—	—	—	2,53
From the Greenwich Observations				4,60

In which point of view Atkinson's refractions—Thermometer IN (as I have always employed) appears to claim a preference; be this as it may, I hope to have shown, that, if not the best—at least a very accurate table of refractions has been employed.

The errors of the clock for the A. R., and the Index Errors for the Declination, have been computed as heretofore, with reference to the places of *known* stars given in Vol. II.

The computations, have for the most part been performed in duplicate, (those for the values of *a, b, c, d,* have been strictly so); and the remainder have undergone a strict examination previously to being trusted, with which precautions, the errors are I apprehend very few in number and of trifling amount.

A

SUBSIDIARY CATALOGUE

OF

THE FIXED STARS

IN THE

SOUTHERN HEMISPHERE

REDUCED TO JANUARY 1, 1840,

together with the annual precessions, and Logarithmic values of *a*, *b*, *c*, *d* computed for 1845.

&c.

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.					
1	Phœnicis.	7	3	0 0 56,89	+3,059	+9,0639	+6,7829	+0,4856	—8,9765
2	———	7.8	3	1 50,68	3,056	8,9785	6,9336	,4851	8,8320
3	θ App. Sculp.	6	3	3 35,60	3,052	8,9159	7,1355	,4846	8,6851
4	Phœnicis.	7	3	3 52,75	3,044	8,9599	7,2161	,4834	8,7940
5	Tucanæ.	7.8	3	4 5,40	3,024	9,1169	7,3868	,4806	9,0517
6	Phœnicis.	7	3	5 44,88	3,028	+9,0117	+7,4249	+0,4812	—8,8930
7	———	8	3	5 54,53	3,011	9,0979	,5255	,4787	9,0257
8	App. Sculp.	7	3	6 53,25	3,039	8,9145	,4036	,4827	8,6812
9	———	7	2	8 38,80	3,034	8,9027	,4905	,4820	8,6452
10	χ ———	7	3	10 17,09	3,022	8,9223	,5822	,4803	8,7037
11	App. Sculp.	7.8	3	12 56,33	3,004	+8,9396	+7,6982	+0,4777	—8,7485
12	ω ———	7	3	15 12,09	3,013	8,8940	,7220	,4790	,6170
13	Phœnicis.	7	3	16 48,67	2,942	9,0324	,9035	,4686	,9283
14	μ App. Sculp.	6	3	19 59,27	2,990	8,9030	,8493	,4757	,6490
15	———	6.7	3	20 32,71	2,964	8,9428	,9005	,4719	,7577
16	Phœnicis.	7.8	2	20 34,40	2,916	+9,0278	+7,9869	+0,4648	—8,9213
17	———	6.7	4	20 57,85	2,914	9,0268	7,9928	,4645	,9196
18	———	7.8	3	21 22,82	2,910	9,0275	8,0031	,4639	,9209
19	App. Sculp.	7	3	21 32,41	2,956	8,9476	7,9259	,4707	,7690
20	——— ———	8.9	3	22 7,28	2,957	8,9462	7,9244	,4708	,7657
21	App. Sculp.	7	3	22 38,17	2,957	+8,9399	+7,9327	+0,4708	—8,7513
22	Phœnicis.	7	3	22 40,79	2,917	9,0055	8,0058	,4649	,8837
23	App. Sculp.	6	3	25 46,02	2,980	8,8854	7,9486	,4742	,5898
24	———	7	3	25 53,02	2,957	8,9121	7,9766	,4708	,6796
25	Phœnicis.	7	3	25 59,41	2,841	9,0756	8,1345	,4535	,9951
26	Phœnicis.	7	3	26 33,31	2,921	+8,9588	+8,0288	+0,4655	—8,7949
27	———	6	3	26 50,20	2,858	9,0436	,1168	,4561	,9472
28	App. Sculp.	8	3	26 50,96	2,939	8,9294	,0101	,4682	,7268
29	λ² Phœnicis.	7	3	28 2,69	2,880	9,0024	,0946	,4594	,8791
30	———	6.7	3	28 4,41	2,827	9,0693	,1626	,4513	,9862
31	Phœnicis.	7.8	3	29 50,45	2,817	+9,0643	+8,1837	+0,4601	—8,9790
32	———	—	—	30	2,872	8,9903	,1231	,4582	,8579
33	———	7	3	32 14,01	2,875	8,9750	,1292	,4586	,8294
34	App. Sculp.	7.8	3	33 13,50	2,897	8,9440	,1115	,4619	,7643
35	Phœnicis.	7.8	3	34 19,37	2,874	8,9619	,1433	,4585	,8035
36	Phœnicis.	7.8	3	37 0,43	2,863	+8,9572	+8,1714	+0,4568	—8,7972
37	———	6.7	3	37 22,93	2,861	8,9576	,1765	,4565	,7955
38	———	6	3	37 37,54	2,760	9,0547	,2760	,4409	,9658
39	———	8	3	37 52,94	2,808	9,0070	,2314	,4484	,8892
40	———	7	3	38 14,73	2,817	8,9957	,2239	,4498	,8694
41	Phœnicis.	9.10	3	39 27,63	2,765	+9,0365	+8,2790	+0,4417	—8,9380
42	———	7	3	41 31,08	2,804	8,9874	,2518	,4478	,8554
43	———	7	3	42 33,52	2,827	8,9611	,2367	,4513	,8047
44	———	6	3	43 23,67	2,747	9,0251	,3090	,4389	,9206
45	App. Sculp.	8	3	46 22,52	2,894	8,8920	,2107	,4615	,6302

No.	Declination (*South*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from T.	Right Ascension from M. C.	Declin.
	° ′ ″		*a′*	*b′*	*c′*	*d′*		s.	s.	″
1	44 53 40,37	+20,042	+9,4048	—9,9126	+1,3019	—7,7190	1	— 2,37	— 3,93	— 0,92
2	45 33 30,06	20,040	,4914	,8535	,3019	7,9551	4	— 0,47	——	— 2,81
3	36 1 44,71	20,037	,5575	,7692	,3019	8,2196	8	— 3,08	——	— 0,05
4	43 3 33,35	20,037	,5185	,8340	,3018	8,2561	9	——	——	+ 9,73
5	59 24 31,30	20,037	,3747	,9347	,3018	8,2699	10	— 2,23	——	— 3,35
6	49 34 25,20	20,034	+9,4786	—9,8812	+1,3018	—8,4131	13	— 1,83	— 3,27	— 4,99
7	57 53 26,98	20,034	,4031	,9276	,3018	,4275	14	— 2,50	——	+12,56
8	35 47 39,63	20,032	,5682	,7666	,3017	,4890	17	— 2,11	— 3,28	— 7,09
9	33 34 27,66	20,027	,5832	,7421	,3016	,5875	21	— 0,86	— 3,16	+ 9,35
10	37 22 52,84	20,021	,5717	,7810	,3015	,6595	24	— 2,63	— 3,05	——
11	40 7 41,13	20,007	+9,5670	—9,8083	+1,3012	—8,7579	27	— 2,40	——	— 7,26
12	31 55 23,81	19,995	,6053	,7220	,3009	,8270	34	— 2,35	——	— 1,68
13	51 55 8,85	19,979	,5132	,8947	,3006	,8699	35	— 3,99	——	— 4,68
14	33 53 24,06	19,967	,6117	,7444	,3002	,9446	45	— 0,09	——	+ 0,54
15	40 47 57,39	19,958	,5888	,8131	,3001	,9559	46	— 4,24	——	+ 1,07
16	51 30 40,10	19,958	+9,5315	—9,8916	+1,3001	—8,9573	47	+ 1,68	——	+ 0,77
17	51 25 4,78	19,957	,5340	,8910	,3001	,9642	49	— 3,05	——	+ 0,82
18	51 29 23,44	19,953	,5366	,8914	,2999	,9736	51	+ 1,20	——	+ 6,82
19	41 32 59,76	19,951	,5877	,8194	,3000	,9763	52	— 3,49	——	+ 2,02
20	41 20 50,06	19,951	,5888	,8176	,3000	,9763	53	——	—38,25	——
21	40 24 2,58	19,945	+9,5955	—9,8093	+1,2998	—8,9983	55	——	——	— 2,67
22	49 5 43,30	19,945	,5527	,8761	,2998	8,9983	56	——	——	+ 4,51
23	30 26 27,39	19,913	,6345	,7016	,2991	9,0527	62	——	— 3,54	— 1,73
24	35 51 45,70	19,908	,6222	,7646	,2990	9,0615	63	——	——	— 9,92
25	55 12 42,86	19,911	,5263	,9167	,2991	9,0561	64	— 4,07	——	— 1,67
26	43 18 53,12	19,904	+9,5977	—9,8331	+1,2989	—9,0670	65	+ 0,02	——	+ 4,36
27	53 15 25,26	19,903	,5490	,9006	,2989	,0702	67	——	— 3,27	——
28	38 52 43,75	19,897	,6159	,7943	,2988	,0776	68	——	——	+ 7,66
29	48 52 38,72	19,890	,5775	,8735	,2986	,0890	69	— 3,27	——	+ 4,57
30	55 42 7,91	19,889	,5403	,9135	,2986	,0900	70	— 2,78	——	— 2,40
31	55 16 32,33	19,869	+9,5490	—9,9109	+1,2982	—9,1157	77	— 2,29	——	— 5,54
32	47 32	19,859	,5933	,8637	,2979	,1289	78	——	——	——
33	45 40 37,50	19,841	,6064	,8500	,2975	,1498	79	— 1,10	— 3,31	— 1,30
34	41 24 37,03	19,827	,6253	,8156	,2973	,1629	82	+ 2,00	— 3,09	+ 4,86
35	44 0 8,85	19,814	,6191	,8367	,2970	,1764	86	——	— 2,99	+ 2,45
36	43 28 30,99	19,777	+9,6294	—9,8317	+1,2962	—9,2084	95	— 2,34	——	+ 3,15
37	43 32 52,68	19,772	,6304	,8321	,2960	,2130	96	— 2,43	——	+ 0,89
38	54 35 31,44	19,769	,5866	,9051	,2960	,2153	97	— 3,29	——	— 1,46
39	49 42 47,60	19,765	,6096	,8762	,2959	,2184	99	— 1,82	——	+ 4,34
40	48 25 50,52	19,760	,6159	,8676	,2958	,2221	100	——	——	+ 2,91
41	52 52 44,54	19,744	+9,6100	—9,8950	+1,2954	—9,2361	103	——	——	+12,56
42	47 34 18,43	19,711	,6294	,8608	,2947	,2572	106	— 2,49	— 3,04	— 0,78
43	44 16 3,55	19,694	,6434	,8360	,2943	,2681	107	——	— 2,62	+ 0,44
44	51 51 39,08	19,680	,6191	,8877	,2940	,2760	109	——	— 2,71	— 0,88
45	33 12 13,58	19,620	,6767	,7290	,2927	,3095	117	+26,41	——	— 1,21

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.					
46	Phœnicis.	7	3	0 48 47,18	+ 2,677	+9,0450	+8,3817	+0,4276	—8,9532
47	———	7.8	3	53 32,43	2,576	9,0849	,4624	,4109	9,0122
48	Electri.	7	3	54 6,30	2,814	8,9214	,3040	,4493	8,7208
49	σ App. Sculp.	6	3	54 47,79	2,867	8,8847	,2733	,4574	8,6135
50	Phœnicis.	6.7	3	55 15,40	2,569	9,0848	,4773	,4081	9,0125
51	Electri.	6.7	3	55 39,36	2,879	+8,8749	+8,2706	+0,4592	—8,5784
52	Phœnicis.	7.8	3	56 18,75	2,720	8,9791	,3737	,4346	8,8448
53	η Electri.	7	3	58 56,59	2,816	8,9040	,3255	,4496	8,6782
54	ν Phœnicis.	7.8	3	1 0 11,47	2,749	8,9415	,3721	,4392	8,7717
55	ν^2 ———	6	3	0 29,02	2,749	8,9395	,3741	,4392	8,7677
57	Phœnicis.	7.8	3	2 42,12	2,502	+9,0762	+8,5250	+0,3983	—9,0018
57	———	7	3	3 35,29	2,473	9,0892	,5419	,3932	9,0201
58	———	7.8	4	3 41,36	2,487	9,0788	,5353	,3957	9,0057
59	φ Electri.	7	3	4 49,69	2,840	8,8762	,3375	,4533	8,5958
60	App. Sculp.	7	3	5 20,75	2,794	8,8982	,3660	,4462	8,6677
61	Phœnicis.	6	3	5 22,92	2,767	+8,9134	+8,3821	+0,4420	—8,7093
62	ν ———	6	3	7 57,54	2,658	,9656	,4518	,4245	,8252
63	Electri.	9	3	8 41,31	2,793	,8906	,3790	,4461	,6487
64	———	7.8	3	10 3,15	2,752	,9072	,4072	,4393	,6973
65	Phœnicis.	—	1	11 38,65	2,668	,9464	,4569	,4262	,7893
66	Electri.	7	3	14 52,57	2,732	+8,9026	+8,4359	+0,4362	—8,6907
67	Phœnicis.	7	3	15 20,97	2,645	,9461	,4790	,4224	,7912
68	γ Electri.	7	3	15 25,52	2,737	,8998	,4343	,4373	,6832
69	———	6.7	3	16 4,18	2,800	,8698	,4044	,4472	,5909
70	Phœnicis.	7	3	16 34,15	2,676	,9264	,4679	,4275	,7500
71	Fornacis.	7	3	16 45,42	2,788	+8,8736	+8,4166	+0,4453	—8,6052
72	Phœnicis.	7	3	17 44,73	2,617	,9514	,5001	,4178	,8033
73		7.8	3	20 44,20	2,387	9,0474	,6136	,3778	,9654
74	Electri.	7	3	22 50,60	2,826	8,8447	,4254	,4512	,5020
75	———	7	2	24 4,37	2,862	8,8598	,4455	,3544	9,0188
76	Electri.	7	2	24 19,42	2,778	+8,8610	+8,4482	+0,4437	—8,5739
77	Phœnicis.	7.8	3	24 42,26	2,477	,9918	,5808	,3939	,8804
78	———	6.7	3	24 51,23	2,559	,9545	,5447	,4081	,8143
79	App. Sculp.	6.7	3	25 46,57	2,688	,8941	,4894	,4294	,6802
80	Phœnicis.	7	3	26 2,84	2,472	,9891	,5858	,3950	,8766
81	Phœnicis.	—	—	26	2,548	+8,9546	+8,5530	+0,4062	—8,8154
82	Electri.	7	3	27 32,73	2,748	8,8661	,4711	,4390	8,5985
83	Phœnicis.	7	3	27 33,90	2,542	8,9533	,5583	,4052	8,8138
84	Eridani.	7	3	28 11,30	2,270	9,0642	,6724	,3560	8,9917
85	———	7	3	28 15,10	2,227	9,0781	,6866	,3477	9,0108
86	χ App. Sculp.	7	3	28 44,79	2,768	+8,8560	+8,4671	+0,4422	—8,5640
87	Phœnicis.	7	3	30 15,44	2,465	8,9776	,5966	,3918	8,8593
88	Electri.	7	3	30 28,13	2,654	8,8983	,5174	,4239	8,6966
89	Eridani.	6.7	2	30 53,02	2,206	9,0777	,7003	,3436	9,0111
90	App. Sculp.	7	3	31 20,84	2,673	8,8879	,5126	,4270	8,6705

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from T.	Right Ascension from M.C.	Declin.
	° ′ ″	″						s.	s.	″
46	54 3 26,17	+19,585	+9,6304	—9,8981	+1,2919	—9,3267	121	— 2,08	— 2,77	+ 2,12
47	57 47 32,36	19,494	,6304	,9153	,2899	,3655	130	— 3,45	—	+ 3,51
48	39 4 22,56	19,482	,6857	,7870	,2896	,3703	132	— 2,61	— 2,89	+ 0,66
49	32 24 52,86	19,467	,6937	,7161	,2893	,3760	133	— 1,46	—	+ 3,27
50	57 51 50,94	19,457	,6375	,9148	,2891	,3796	136	— 2,16	— 4,39	+ 4,56
51	30 23 11,90	19,449	+9,6964	—9,6905	+1,2889	—9,3827	138	— 2,10	— 3,15	— 7,50
52	45 6 14,35	19,451	,6739	,8528	,2889	,3816	137	*	*	
53	36 31 2,97	19,378	,6998	,7596	,2873	,4068	144	— 1,69	— 3,39	+ 0,61
54	42 35 59,44	19,351	,6955	,8150	,2867	,4153	149	— 2,77	— 3,85	— 0,25
55	42 20 37,10	19,338	,6972	,8127	,2864	,4191	153	—	+11,81	— 3,18
56	57 26 54,83	19,293	+9,6646	—9,9091	+1,2854	—9,4323	158	— 4,40	— 3,38	— 0,16
57	58 32 31,60	19,280	,6628	,9140	,2851	,4359	162	—	—	+ 2,23
58	57 42 44,93	19,267	,6665	,9098	,2848	,4395	163	— 2,57	—	+ 1,31
59	31 39 1,22	19,252	,7126	,7021	,2845	,4438	166	—31,74	—	— 1,99
60	36 3 21,97	19,229	,7135	,7516	,2839	,4499	167	—	— 4,55	+ 0,53
61	38 42 17,49	19,226	+9,7118	—9,7779	+1,2839	—9,4507	168	—	—	+ 6,34
62	46 23 14,58	19,162	,7084	,8401	,2824	,4668	172	— 4,06	— 3,32	+ 3,91
63	34 59 45,91	19,153	,7193	,7384	,2822	,4688	174	—	—	—63,93
64	38 6 50,10	19,108	,7226	,7694	,2812	,4793	177	—	— 2,91	+ 2,50
65	44 10 33,47	19,066	,7210	,8213	,2802	,4888	181	— 2,51	— 2,64	+ 3,28
66	37 53 22,52	18,967	+9,7332	—9,7641	+1,2780	—9,5093	186	—	—	— 3,94
67	44 26 33,53	18,967	,7292	,8211	,2780	,5090	188	—	—	+ 3,55
68	37 26 1,43	18,961	,7340	,7594	,2778	,5104	190	— 2,90	—	— 0,94
69	31 46 51,24	18,943	,7316	,6966	,2774	,5141	187	—	—	— 4,10
70	41 47 20,15	18,928	,7348	,7987	,2771	,5167	195	—	— 2,98	+ 1,54
71	32 38 42,10	18,921	+9,7332	—9,7066	+1,2769	—9,5181	192	—	—	— 3,70
72	45 21 49,46	18,893	,7340	,8264	,2763	,5231	201	— 2,27	— 2,52	— 2,45
73	55 54 43,75	18,807	,7235	,8904	,2743	,5385	208	— 5,17	—	— 1,92
74	27 2 8,82	18,729	,7396	,6279	,2725	,5514	210	—	—	0,00
75	30 48 48,49	18,702	,7459	,6790	,2719	,5556	214	— 1,51	—	— 7,63
76	31 6 29,58	18,697	+9,7466	—9,6826	+1,2717	—9,5569	215	+ 0,38	—	— 3,81
77	50 43 37,37	18,682	,7443	,8582	,2714	,5586	217	— 3,09	—	— 2,01
78	46 24 2,98	18,677	,7497	,8291	,2713	,5596	219	— 1,94	— 3,55	+ 3,86
79	37 41 17,68	18,647	,7551	,7548	,2706	,5641	220	—	—	— 0,74
80	50 32 55,17	18,640	,7474	,8560	,2704	,5650	221	— 3,45	— 2,78	— 2,88
81		18,630	+9,7536	—9,8291	+1,2702	—9,5666	222	—	—	—
82	32 42 40,53	18,590	,7536	,6998	,2693	,5723	224	— 2,57	— 3,13	— 0,15
83	46 30 57,21	18,590	,7559	,8278	,2693	,5723	225	— 2,36	— 2,28	+ 1,52
84	57 49 20,50	18,571	,7404	,8944	,2688	,5751	226	— 2,06	— 4,27	+ 3,54
85	58 57 24,79	18,569	,7396	,8952	,2688	,5754	229	—	—	+ 4,56
86	30 43 43,24	18,553	+9,7536	—9,6745	+1,2684	—9,5776	227	— 5,69	— 2,72	+ 3,03
87	49 37 23,23	18,504	,7581	,8470	,2673	,5844	233	—	—	— 3,82
88	38 57 9,14	18,504	,7627	,7636	,2673	,5844	234	—	—	— 4,47
89	59 5 17,41	18,483	,7443	,8982	,2667	,5874	235	— 3,23	—	+ 2,60
90	37 20 18,53	18,468	,7634	,7471	,2664	,5892	237	—	—	— 5,03

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
91	Phœnicis.	7.8	3	1 31 22,21	+2,514	+8,9535	+8,5785	+0,4004	—8,8167
92	———	7	3	31 41,46	2,570	8,9290	,5562	,4099	,7686
93	———	7	3	32 36,35	2,338	9,0204	,6521	,3688	,9295
94	Eridani.	7.8	3	33 8,18	2,247	9,0534	,6875	,3516	,9780
95	*p* ———	6	3	33 43,91	2,249	9,0502	,6874	,3520	,9737
96	ψ Phœnicis.	7.8	3	34 26,02	2,636	+8,8950	+8,5350	+0,4209	—8,6931
97	π App. Sculp.	6.7	3	34 55,33	2,716	8,8624	,5065	,4339	,5993
98	———	6	3	34 59,82	2,653	8,8866	,5307	,4237	,6722
99	Phœnicis.	7	3	35 17,92	2,405	8,9845	,6304	,3811	,8739
100	*q* Eridani.	6.7	3	36 19,43	2,302	9,0205	,6714	,3621	,9312
101	Phœnicis.	8	4	38 21,42	2,360	+8,9912	+8,6526	+0,3729	—8,8865
102	———	6.7	3	39 49,57	2,356	8,9879	,6562	,3722	,8819
103	*q* Eridani.	6	3	40 0,36	2,282	9,0151	,6841	,3583	,9247
104	Phœnicis.	6.7	3	40 30,03	2,547	8,9132	,6852	,4060	,7431
105	———	7	3	40 48,79	2,624	8,8834	,5570	,4190	,6721
106	Phœnicis.	6.7	3	41 28,09	2,551	+8,9115	+8,5834	+0,4067	—8,7393
107	———	7	3	42 54,64	2,595	8,8891	,5727	,4141	,6896
108	———	6.7	3	43 54,85	2,403	8,9569	,6455	,3807	,8320
109	Eridani.	8	4	44 9,89	2,222	9,0213	,7107	,3467	,9359
110	Phœnicis.	6.7	2	44 41,92	2,342	8,9776	,6697	,3696	,8679
111	Eridani.	7.8	3	45 2,31	2,221	+9,0184	+8,7123	+0,3465	—8,9320
112	Phœnicis.	8	4	45 36,01	2,421	8,9454	,6419	,3846	,8124
113	———	5.6	5	47 13,84	2,419	8,9411	,6445	,3836	,8057
114	Eridani.	8.9	3	47 33,69	2,235	9,0050	,7109	,3493	,9130
115	χ ———	4	3	49 43,47	2,268	8,9864	,7022	,3556	,8852
116	Phœnicis.	*var.*	2	50 49,32	2,374	+8,9470	+8,6678	+0,3755	—8,8189
117	———	6.7	3	50 53,67	2,254	8,9867	,7087	,3529	,8864
118	ψ ———	7	3	52 46,15	2,510	8,8943	,6244	,3997	,7154
119	Arietis.	7	4	54 17,07	2,868	8,7868	,5264	,4576	,2605
120	Eridani.	8	4	59 4,95	2,264	8,9580	,7162	,3549	,8448
121	Horologii.	7	3	59 17,89	1,958	+9,0513	+8,8101	+0,2918	—8,9887
122	Eridani	7	3	2 0 56,28	2,076	9,0107	,7767	,3172	8,9283
123	Horologii.	8	4	2 20,40	1,802	9,0834	,8553	,2557	9,0282
124	Eridani.	7	3	3 55,47	2,174	8,9721	,7512	,3373	8,8714
125	———	6	3	3 57,83	2,199	8,9639	,7429	,3422	8,8581
126	Phœnicis.	7.8	4	5 5,75	2,316	+8,9245	+8,7084	+0,3647	—8,7910
127	Horologii.	8.9	3	5 32,21	1,771	9,0815	,8657	,2482	9,0268
128	Phœnicis.	7.8	3	6 13,24	2,303	8,9250	,7137	,3623	8,7930
129	Horologii.	10	3	6 47,52	2,019	9,0083	,7993	,3051	8,9279
130	———	8	3	8 26,16	1,927	9,0285	,8265	,2849	8,9573
131	Eridani.	7.8	3	9 39,23	2,164	+8,9571	+8,7601	+0,3353	—8,8512
132	Fornacis.	6.7	3	10 33,11	2,530	8,8452	,6521	,4031	,6218
133	———	7	3	11 48,57	2,701	8,7961	,6103	,4315	,4492
134	Phœnicis.	8	3	12 51,51	2,460	8,8599	,6768	,3909	,6651
135	Eridani.	6.7	2	13 2,16	2,394	8,8789	,6961	,3791	,7092

No.	Declination (*South*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*		T.	M. C.	
	° ′ ″	″						s.	s.	″
91	46 53 59,71	+18,466	+9,7642	—9,8276	+1,2664	—9,5895	236	— 4,07	——	+ 2,59
92	43 44 28,57	18,453	,7664	,8037	,2660	,5913	238	— 3,33	— 2,53	+ 4,41
93	54 15 2,78	18,423	,7581	,8726	,2653	,5951	240	— 2,58	— 3,75	+ 0,58
94	57 15 30,53	18,407	,7536	,8877	,2650	,5972	241	— 4,61	——	— 1,68
95	57 0 29,45	18,387	,7559	,8861	,2645	,5998	243	— 4,18	— 3,94	+ 0,31
96	38 56 43,51	18,368	+9,7701	—9,7602	+1,2640	—9,6021	245	——	——	+ 0,27
97	33 8 5,59	18,339	,7664	,6990	,2634	,6056	246	——	——	+ 1,29
98	37 38 29,28	18,339	,7708	,7471	,2634	,6056	247	— 2,36	——	— 0,59
99	50 50 53,32	18,327	,7694	,8505	,2631	,6070	248	——	— 3,09	+ 0,15
100	54 32 44,67	18,292	,7672	,7111	,2622	,6113	249	— 3,12	— 2,88	— 5,13
101	51 49 33,31	18,217	+9,7745	—9,8539	+1,2605	—9,6199	251	— 2,61	——	+ 1,31
102	51 37 3,57	18,166	,7781	,8514	,2592	,6257	253	— 3,81	— 2,97	— 1,74
103	54 19 36,51	18,161	,7752	,8668	,2591	,6262	254	— 2,96	— 3,15	+ 0,33
104	42 33 43,96	18,138	,7832	,7866	,2586	,6286	255	— 2,84	——	+ 3,82
105	37 57 35,86	18,127	,7810	,7451	,2583	,6300	257	— 2,22	— 2,41	— 1,42
106	42 18 5,34	18,138	+9,7832	—9,7846	+1,2586	—9,6286	256	—59,84	——	+ 5,65
107	39 12 42,11	18,048	,7860	,7551	,2564	,6382	260	— 3,24	— 4,49	+ 3,90
108	48 36 47,68	18,010	,7896	,8286	,2555	,6421	263	— 3,23	— 3,43	+ 0,55
109	55 15 33,81	18,003	,7839	,8680	,2553	,6429	264	— 2,41	——	— 9,52
110	50 59 59,20	17,982	,7903	,8432	,2548	,6449	266	— 2,39	— 2,20	— 0,11
111	55 4 22,90	17,967	+9,7867	—9,8662	+1,2545	—9,6465	268	+ 0,47	——	— 3,87
112	47 25 57,26	17,946	,7938	,8190	,2540	,6485	269	— 2,79	——	+ 3,14
113	47 5 15,93	17,880	,7973	,8150	,2524	,6548	272	— 0,96	— 1,89	— 1,34
114	54 2 17,51	17,870	,7938	,8582	,2520	,6560	273	— 2,20	——	— 3,42
115	52 24 26,23	17,783	,7993	,8468	,2500	,6639	278	— 3,22	— 3,47	+ 3,15
116	49 10 3,49	17,737	+9,8035	—9,8191	+1,2489	—9,6680	281	——	— 3,67	+ 3,25
117	52 33 36,28	17,727	,8021	,8465	,2487	,6687	282	— 3,53	— 3,89	+ 4,50
118	41 30 16,72	17,657	,8048	,7661	,2469	,6749	285	— 1,00	— 3,97	— 5,21
119	17 20 36,95	17,567	,7459	,4465	,2447	,6824	290	——	+32,47	——
120	50 27 5,21	17,388	,8195	,8252	,2402	,6965	298	— 2,19	——	— 7,75
121	59 6 46,01	17,382	+9,8129	—9,8716	+1,2401	—9,6970	299	— 2,23	——	— 0,22
122	55 50 55,83	17,308	,8195	,8540	,2383	,7024	301	— 1,84	——	— 6,47
123	61 44 59,68	17,250	,8182	,8797	,2368	,7067	306	— 2,80	——	+ 3,21
124	52 29 26,82	17,176	,8280	,8323	,2349	,7120	312	— 1,74	——	+ 4,03
125	51 36 40,88	17,176	,8280	,8272	,2349	,7120	311	— 6,15	——	+ 5,74
126	47 20 23,31	17,124	+9,8300	—9,7982	+1,2336	—9,7156	313	— 3,69	——	+ 6,69
127	61 51 9,99	17,121	,8222	,8769	,2335	,7158	314	——	— 2,40	— 0,70
128	47 33 54,59	17,073	,8325	,7983	,2323	,7191	316	— 3,05	——	+ 6,31
129	56 13 35,61	17,048	,8312	,8493	,2317	,7207	317	— 3,12	——	—11,81
130	58 5 32,70	16,971	,8325	,8566	,2297	,7258	319	— 1,34	——	+ 2,06
131	51 37 50,70	16,915	+9,8382	—9,8205	+1,2283	—9,7294	322	——	— 2,16	— 6,84
132	36 43 39,62	16,871	,8267	,7018	,2271	,7322	325	— 3,13	— 3,30	+ 1,14
133	26 42 18,51	16,789	,8395	,5762	,2250	,7373	331	——	——	+12,57
134	39 42 58,58	16,760	,8361	,7275	,2242	,7392	333	— 2,02	——	—19,25
135	42 35 13,02	16,754	,8395	,7524	,2241	,7394	334	— 2,26	— 2,71	+ 3,68

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
136	Phœnicis.	8	3	2 14 7,49	+ 2,336	+8,8934	+8,7153	+0,3685	—8,7411
137	Horologii.	8.9	3	14 36,42	1,935	9,0061	,8296	,2867	,9289
138	———	6	3	14 44,27	1,939	9,0034	,8289	,2876	,9253
139	———	8	6	15 5,96	1,931	9,0053	,8310	,2858	,9279
140	———	7	3	15 19,89	1,899	9,0129	,8397	,2785	,9390
141	Phœnicis.	7.8	2	16 5,53	2,437	+8,8587	+8,6888	+0,3869	—8,6680
142	Fornacis.	6.7	3	16 15,24	2,676	,7948	,6254	,4275	,4621
143	———	7.8	3	16 15,50	2,625	,8070	,6376	,4191	,5136
144	———	6.7	2	16 30,90	2,476	,8469	,6783	,3937	,6389
145	Eridani.	7	3	17 17,22	2,109	,9496	,7843	,3241	,8450
146	Horologii.	9	3	18 6,71	1,891	+9,0066	+8,8440	+0,2767	—8,9315
147	———	9	3	18 19,48	1,891	9,0065	,8452	,2767	,9314
148	———	8	3	18 23,38	1,877	9,0099	,8476	,2735	,8361
149	Phœnicis.	7.8	3	18 35,04	2,363	8,8739	,7140	,3735	,7066
150	λ Horologii.	5.6	3	20 25,65	1,681	9,0511	,8982	,2256	,9929
151	κ Eridani.	4	3	21 7,19	2,198	+8,9136	+8,7639	+0,3420	—8,7875
152	Fornacis.	6.7	3	21 38,70	2,483	8,8327	,6852	,3950	,6125
153	———	6	3	21 42,01	2,588	8,8055	,6580	,4130	,5273
154	Pnœnicis.	8	2	22 30,77	2,388	8,8568	,7127	,3780	,6749
155	φ Fornacis.	6	3	25 39,36	2,467	8,8277	,6961	,3922	,6083
156	Eridani.	7	4	26 19,49	2,226	+8,8910	+8,7625	+0,3475	—8,7520
157	———	8	3	27 59,49	2,140	8,9098	,7872	,3304	8,7880
158	Horologii.	6.7	3	28 27,66	2,044	8,9339	,8131	,3105	8,8290
159	Fornacis.	7	3	28 42,56	2,426	8,8316	,7118	,3849	8,6251
160	ε Horologii.	7	3	29 38,86	1,456	9,0707	,9546	,1632	9,0216
161	Eridani	8	3	31 2,39	2,346	+8,8468	+8,7362	+0,3703	—8,6675
162	Fornacis.	6	4	31 58,15	2,409	,8277	,7210	,3818	,6235
163	η Horologii.	6.7	3	32 8,03	1,966	,9429	,8365	,2936	,8465
164	Eridani.	7	3	32 33,38	2,231	,8730	,7684	,3485	,7255
165	———	7.8	3	32 34,34	2,231	,8729	,7683	,3485	,7253
166	Fornacis.	7	3	33 12,30	2,564	+8,7867	+8,6849	+0,4089	—8,5023
167	———	7	4	33 42,77	2,546	,7899	,6900	,4059	,5160
168	ζ Horologii.	5.6	4	35 41,23	1,859	,9586	,8659	,2693	,8731
169	Fornacis.	7	3	36 15,78	2,547	,7843	,6940	,4060	,5051
170	Eridani.	5.6	4	36 22,86	2,158	,8813	,7917	,3340	,7467
171	Horologii.	7.8	3	36 52,35	1,768	+8,9765	+8,8885	+0,2475	—8,8999
172	ι ———	6.7	3	37 7,06	2,005	,9179	,8314	,3021	,8112
173	Fornacis.	6.7	3	37 8,13	2,651	,7593	,6728	,4234	,4037
174	θ Horologii.	6.7	3	39 3,05	1,924	,9324	,8529	,2842	,8361
175	Fornacis.	7	3	39 6,50	2,551	,7769	,6979	,4067	,4904
176	Fornacis.	7	3	39 17,69	2,379	+8,8175	+8,7390	+0,3764	—8,6146
177	Eridani.	6.7	3	39 32,09	2,254	,8479	,7707	,3529	,6856
178	———	7	3	39 32,35	2,151	,8746	,7969	,3326	,7384
179	Fornacis.	—	—	42	2,555	,7682	,7027	,4074	,4732
180	Eridani.	7.8	3	43 10,92	2,132	,8692	,8053	,3286	,7333

No.	Declination (*South*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
136	44 47 43,94	+16,699	+9,8432	—9,7685	+1,2227	—9,7426	335	—	— 1,08	— 2,89
137	56 51 10,85	16,680	,8467	,8430	,2222	,7438	336	— 4,58	—	— 9,04
138	56 40 53,02	16,657	,8470	,8415	,2216	,7451	337	— 5,20	— 4,84	— 2,55
139	56 49 59,02	16,653	,8476	,8423	,2215	,7453	339	— 0,17	—	— 4,56
140	57 31 4,58	16,641	,8470	,8453	,2212	,7461	340	— 1,44	—	— 0,82
141	40 8 43,83	16,602	+9,8407	—9,7275	+1,2201	—9,7483	342	— 1,41	—	— 4,13
142	27 43 20,69	16,595	,8096	,5854	,2200	,7487	343	— 1,10	—	+ 3,77
143	30 35 44,14	16,595	,8182	,6246	,2200	,7487	344	— 1,98	— 4,42	— 5,48
144	38 18 15,08	16,585	,8363	,7099	,2197	,7492	345	— 3,03	—	— 0,42
145	51 49 28,26	16,546	,8519	,8122	,2187	,7515	346	— 2,50	— 2,92	+ 1,01
146	57 16 28,85	16,514	+9,8500	—9,8407	+1,2178	—9,7533	347	— 8,43	—	—15,51
147	57 16 36,41	16,510	,8519	,8406	,2177	,7535	348	—16,70	—	—31,43
148	57 32 33,23	16,510	,8488	,8420	,2177	,7535	349	—20,32	—	— 1,64
149	42 53 7,85	16,480	,8476	,7477	,2169	,7551	350	— 2,01	—	+ 1,07
150	61 1 40,98	16,393	,8531	,8546	,2147	,7598	352	— 1,85	— 3,24	+ 6,52
151	48 25 24,18	16,352	+9,8573	—9,7856	+1,2136	—9,7620	353	— 2,21	— 2,45	+ 3,17
152	37 3 37,20	16,326	,8420	,6908	,2129	,7634	355	— 2,31	—	— 2,50
153	31 49 13,69	16,325	,8293	,6327	,2129	,7634	356	— 2,41	+ 0,35	+ 0,15
154	41 9 5,57	16,282	,8519	,7279	,2117	,7657	359	— 1,41	—	— 1,71
155	37 8 12,16	16,121	,8482	,6861	,2074	,7739	364	— 2,15	—	— 0,56
156	46 34 42,20	16,078	+9,8639	—9,7654	+1,2062	—9,7759	367	—	—	+ 6,13
157	49 5 39,95	16,002	,8686	,7805	,2042	,7796	369	—	— 2,72	— 5,49
158	51 47 48,57	15,977	,8704	,7967	,2035	,7808	370	— 3,38	— 3,23	— 2,62
159	38 30 26,44	15,963	,8549	,6953	,2031	,7815	371	— 3,57	—	— 4,35
160	63 17 22,53	15,913	,8681	,8507	,2018	,7838	373	— 2,89	— 3,39	+ 3,47
161	41 26 26,87	15,839	+9,8633	—9,7185	+1,1997	—9,7872	375	— 2,77	—	— 2,47
162	38 40 53,66	15,785	,8591	,6921	,1982	,7897	377	— 2,93	—	— 5,18
163	53 14 13,64	15,782	,8768	,7998	,1982	,7898	378	— 4,38	— 5,08	+ 1,85
164	45 25 42,07	15,757	,8716	,7480	,1975	,7909	379	— 3,43	—	+ 0,91
165	45 24 4,98	15,757	,8722	,7479	,1975	,7909	380	— 3,58	—	+ 4,21
166	31 19 17,54	15,717	+9,8407	—9,6100	+1,1964	—9,7927	381	—	+ 1,03	+ 5,16
167	32 9 23,99	15,691	,8439	,6198	,1957	,7938	382	— 2,95	—	+ 0,66
168	55 14 15,52	15,589	,8831	,8054	,1928	,7982	388	— 2,85	— 4,67	— 5,92
169	31 45 3,86	15,552	,8451	,6108	,1918	,7998	389	— 2,24	—	+ 3,39
170	47 12 16,13	15,545	,8791	,7551	,1916	,8001	392	—	— 1,65	— 3,10
171	56 58 51,90	15,523	+9,8842	—9,8125	+1,1910	—9,8010	393	— 2,81	— 3,35	— 2,85
172	51 29 33,76	15,501	,8842	,7818	,1904	,8020	397	—	—	+ 4,56
173	26 10 43,60	15,501	,8248	,5329	,1904	,8020	394	—	+ 1,08	+ 3,81
174	53 14 51,42	15,401	,8876	,7893	,1875	,8061	403	— 2,96	— 2,15	+ 3,78
175	31 9 20,00	15,393	,8463	,5989	,1873	,8064	402	— 3,08	—	— 0,67
176	38 50 42,16	15,386	+9,8692	—9,6823	+1,1871	—9,8067	404	— 2,91	—	+ 2,16
177	43 30 38,71	15,368	,8791	,7223	,1866	,8075	406	—	—	+ 4,25
178	46 57 46,14	15,375	,8831	,7487	,1868	,8072	405	— 3,69	—	+ 4,60
179	30 29	15,194	,8476	,5848	,1817	,8143	416	—	—	—
180	47 0 53,49	15,171	,8848	,7432	,1810	,8155	418	—	—	+ 4,99

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.					
181	Horologii.	—	—	2 46	+1,655	+8,9818	+8,9184	+0,2188	—8,9115
182	Eridani.	6.7	4	46 40,15	2,267	,8262	,7760	,3554	,6520
183	Horologii.	6.7	3	46 41,65	1,654	,9707	,9208	,2185	,8983
184	Fornacis.	7	3	48 15,59	2,460	,7763	,7328	,3909	,6258
185	Eridani.	6	3	49 37,32	2,331	,8032	,7643	,3675	,6048
186	Fornacis.	7	3	50 12,24	2,635	+8,7358	+8,6991	+0,4208	—8,3714
187	———	6.7	4	50 22,73	2,411	,7826	,7467	,3822	,5519
188	———	7	3	50 30,29	2,388	,7878	,7521	,3781	,5666
189	———	7	3	50 50,85	2,383	,7878	,7537	,3771	,5680
190	———	7.8	3	51 45,41	2,459	,7686	,7377	,3907	,5137
191	Fornacis.	6.7	3	52 17,99	2,554	+8,7476	+8,7192	+0,4072	—8,4404
192	Eridani.	7	3	52 18,72	2,339	,7944	,7658	,3690	,5896
193	Horologii.	7.8	4	52 58,83	1,729	,9345	,9081	,2378	,8512
194	Eridani.	7	3	54 11,72	2,224	,8162	,7948	,3471	,6459
195	Fornacis.	6.7	3	54 30,27	2,452	,7635	,7430	,3895	,5080
196	Horologii.	7	3	54 50,60	1,772	+8,9192	+8,9000	+0,2485	—8,8301
197	Eridani.	8	3	55 5,90	2,236	,8110	,7928	,3495	,6362
198	Horologii.	7.8	3	56 19,54	1,430	,9869	,9732	,1553	,9263
199	Eridani.	8	3	56 29,17	2,028	,8558	,8429	,3071	,7281
200	Fornacis.	8	3	57 57,70	2,288	,7914	,7841	,3595	,5975
201	Horologii.	8	5	58 50,11	1,868	+8,8883	+8,8804	+0,2714	—8,7850
202	———	—	—	58	1,866	,8852	,8819	,2709	,7814
203	———	7	1	59 19,55	1,337	,9949	,9927	,1261	,9386
204	———	8	5	59 32,89	1,864	,8842	,8826	,2704	,7803
205	Fornacis.	7	1	59 39,16	2,332	,7769	,7762	,3677	,5658
206	Horologii.	5.6	2	59 51,18	1,409	+8,9792	+8,9789	+0,1489	—8,9182
207	Fornacis.	7	3	59 58,12	2,509	,7382	,7387	,3995	,4447
208	Horologii.	7.8	2	3 0 13,99	1,329	,9934	,9947	,1235	,9371
209	———	7	3	0 35,95	1,311	,9958	,9983	,1176	,9404
210	Fornacis.	7.8	5	1 56,91	2,271	,7845	,7924	,3562	,5917
211	Fornacis.	6.7	5	2 22,72	2,373	+8,7608	+8,7704	+0,3753	—8,5303
212	Eridani.	8	3	2 40,19	2,209	,7968	,8072	,3442	,6217
213	Fornacis.	7.8	3	2 57,66	2,473	,7384	,7500	,3932	,4608
214	Horologii.	8.9	3	3	1,886	,8701	,8797	,2755	,7609
215	———	7	3	4 10,88	1,940	,8532	,8691	,2878	,7346
216	Horologii.	8	3	4 11,56	1,942	+8,8525	+8,8686	+0,2882	—8,7334
217	Fornacis.	7	3	4 39,76	2,269	,7777	8,7956	,3558	,5824
218	Horologii.	7	3	4 41,88	1,274	,9891	9,0070	,1052	,9340
219	———	—	—	4	1,944	,8490	8,8690	,2887	,7289
220	*o* ———	7	8	5 15,73	1,943	,8490	8,8692	,2885	,7290
221	Horologii.	8	4	5 25,76	1,629	+8,9158	+8,9372	+0,2119	—8,8348
222	Fornacis.	7	5	5 48,50	2,266	,7752	,7977	,3553	,5798
223	———	7	3	6 1,99	2,469	,7317	,7549	,3925	,4525
224	Horologii.	6.7	5	6 40,01	1,487	,9408	,9666	,1723	,8711
225	Fornacis.	6	3	6 57,75	2,496	,7238	,7508	,3972	,4281

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
										"
181	58 17	+15,163	+9,8943	—9,8085	+1,1808	—9,8155	419	—	—	—
182	42 2 54,08	14,963	,8854	,6989	,1750	,8230	428	— 3,00	— 3,57	+ 2,56
183	57 51 7,25	14,960	,8998	,8006	,1749	,8231	429	+ 4,60	—	— 0,91
184	34 10 40,66	14,862	,8669	,6196	,1721	,8266	431	— 2,52	—	+ 5,26
185	39 18 1,49	14,792	,8825	,6696	,1700	,8291	436	— 2,14	—	+ 2,01
186	25 36 52,77	14,756	+9,8344	—9,5026	+1,1690	—9,8304	437	— 2,60	—	+ 3,83
187	36 1 31,94	14,744	,8745	,6359	,1686	,8308	438	— 2,15	— 1,29	+ 5,46
188	36 56 37,39	14,740	,8774	,6454	,1685	,8309	440	— 4,05	—	+ 2,20
189	37 4 44,99	14,716	,8779	,6460	,1678	,8317	441	— 1,83	—	+ 2,11
190	33 47 41,35	14,655	,8692	,6095	,1663	,8336	445	— 2,91	—	— 7,93
191	29 32 48,60	14,626	+9,8525	—9,5560	+1,1651	—9,8349	442	—	—	— 5,35
192	38 38 3,33	14,629	,8842	,6586	,1652	,8347	448	— 2,62	—	+ 3,47
193	55 39 31,73	14,593	,9090	,7789	,1641	,8359	452	— 0,63	—	— 6,13
194	42 30 40,94	14,517	,8954	,6896	,1619	,8385	455	— 3,27	—	— 2,34
195	33 44 46,03	14,501	,8710	,6040	,1614	,8391	456	— 2,91	—	+ 2,11
196	54 32 49,41	14,481	+9,9112	—9,7697	+1,1608	—9,8397	458	— 1,47	—	— 1,38
197	41 59 10,88	14,465	,8949	,6836	,1603	,8402	459	— 2,64	—	+ 1,42
198	60 27 18,91	14,392	,9127	,7956	,1581	,8425	464	— 0,28	— 3,57	+ 0,62
199	48 11 26,09	14,380	,9079	,7281	,1577	,8429	463	— 2,18	—	— 0,36
200	39 47 57,07	14,290	,8932	,6592	,1550	,8458	468	— 1,72	—	— 1,54
201	52 2 21,03	14,298	—9,9138	—9,7501	+1,1553	—9,8455	467	—60,92	—	— 5,56
202	51 57	—	,9154	,7473	,1530	,8478	470	—	—	—
203	61 25 30,06	14,208	,9164	,7942	,1525	,8483	472	+ 0,27	—	— 1,18
204	51 56 58,49	14,196	,9154	,7464	,1522	,8487	473	— 2,01	—	+ 1,16
205	37 57 41,47	14,183	,8899	,6387	,1518	,8491	474	—	— 1,15	+ 1,74
206	60 21 40,65	14,175	+9,9185	—9,7887	+1,1515	—9,8494	476	— 2,06	— 2,40	— 3,24
207	30 36 25,43	14,163	,8651	,5558	,1511	,8497	475	— 2,85	—	— 2,21
208	61 27 58,51	14,150	,9186	,7925	,1508	,8501	477	+ 0,68	—	+ 4,70
209	61 40 13,97	14,130	,9196	,7928	,1501	,8507	478	+ 0,45	—	+10,39
210	39 54 48,80	14,042	,8971	,6527	,1474	,8534	480	— 2,54	—	— 2,38
211	36 2 33,37	14,013	+9,8876	—9,6142	+1,1465	—9,8542	481	— 1,84	— 3,30	— 1,67
212	41 57 9,86	13,997	,9036	,6692	,1460	,8547	484	— 3,01	—	+ 5,04
213	31 52 0,79	13,980	,8727	,5660	,1455	,8552	485	— 2,50	—	+ 1,39
214	51 4	—	,9185	,7354	,1465	,8542	483	—	—	—
215	49 35 29,56	13,877	,9185	,7227	,1423	,8573	488	— 6,98	—	— 2,25
216	49 34 28,17	13,905	+9,9185	—9,7222	+1,1432	—9,8574	489	— 3,53	—	*
217	39 39 40,58	13,876	,9004	,6451	,1422	,8583	490	— 2,77	—	— 3,32
218	61 45 46,20	13,876	,9248	,7852	,1422	,8583	491	— 0,04	—	+ 2,20
219	49 20	13,842	,9196	,7191	,1412	,8592	494	—	—	—
220	49 20 26,98	13,837	,9201	,7191	,1411	,8594	495	— 2,66	— 3,39	— 2,38
221	56 5 45,76	13,817	+9,9258	—9,7575	+1,1404	—9,8600	496	+ 7,52	—	— 4,29
222	39 37 39,09	13,799	,9015	,6425	,1399	,8604	497	— 2,76	—	— 2,94
223	31 43 58,60	13,787	,8751	,5583	,1395	,8608	498	— 2,37	—	+ 1,04
224	58 24 53,72	13,744	,9284	,7665	,1381	,8620	503	—	—	+ 3,90
225	30 24 19,34	13,723	,8704	,5397	,1375	,8626	502	—	—	+ 5,38

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. s.	s.				
226	Reticuli.	9	3	3 7 2,20	+1,162	+9,0014	+9,0285	+0,0652	—8,9510
227	Horologii.	7.8	3	7 4,11	2,021	8,8261	8,8534	,3056	,6907
228	Eridani.	7	3	7 25,06	2,191	8,7873	8,8159	,3406	,6126
229	———	7	4	7 47,91	2,266	8,7698	8,7997	,3553	,5723
230	Horologii.	6.7	3	8 30,60	1,507	8,9310	8,9637	,1781	,8590
231	Fornacis.	8	3	9 5,51	2,412	+8,7352	+8,7704	+0,3824	—8,4799
232	Eridani.	7	2	9 23,02	2,254	,7677	,8038	,3529	,5719
233	———	8	5	9 25,95	2,188	,7822	,8184	,3400	,6062
234	ξ Fornacis.	7	3	9 35,84	2,468	,7232	,7596	,3923	,4400
235	Eridani.	6.7	3	9 41,83	2,039	,8142	,8514	,3094	,6730
236	Eridani.	7.8	3	9 57,28	2,121	+8,7954	+8,8339	+0,3265	—8,6361
237	———	8	3	10 55,00	2,182	,7793	,8213	,3388	,6035
238	Horologii.	7.8	3	11 15,24	1,347	,9531	,9959	,1294	,8910
239	Eridani.	7.8	5	12 7,86	2,264	,7575	,8051	,3549	,5559
240	Horologii.	6	3	12 14,01	1,951	,8259	,8727	,2903	,6991
241	Fornacis.	7.8	3	12 23,91	2,353	+8,7389	+8,7865	+0,3716	—8,5053
242	Eridani.	7.8	4	12 32,70	2,266	,7567	,8048	,3553	,5543
243	———	6.7	3	12 36,57	2,610	,6896	,7377	,4166	,3104
244	Fornacis.	6	3	13 0,62	2,354	,7367	,7866	,3718	,5014
245	Eridani.	7.8	3	13 49,63	2,130	,7818	,8353	,3284	,6167
246	Fornacis.	7	4	13 53,76	2,562	+8,6942	+8,7482	+0,4086	—8,3492
247	———	6.7	3	13 55,56	2,555	,6957	,7493	,4074	,3552
248	Eridani.	5.6	2	14 24,45	2,617	,6840	,7392	,4178	,2967
249	Fornacis.	5.6	3	15 23,93	2,574	,7889	,7477	,4106	,3331
250	Horologii.	7	3	16 23,27	1,939	,8156	,8785	,2876	,6878
251	Eridani.	7.8	2	16 41,65	2,248	+8,7487	+8,8126	+0,3518	—8,5477
252	———	7.8	4	17 9,78	2,162	,7656	,8313	,3349	,5895
253	Fornacis.	6	3	17 19,40	2,403	,7154	,7818	,3807	,4546
254	Eridani.	7	4	18 21,30	2,159	,7629	,8332	,3342	,5865
255	———	7	3	18 35,30	2,470	,6990	,7704	,3927	,4032
256	Eridani.	8	3	19 33,72	2,244	+8,7414	+8,8163	+0,3510	—8,5390
257	Fornacis.	6	3	19 37,73	2,527	,6860	,7614	,4026	,3557
258	———	7	2	19 48,42	2,311	,7268	,8030	,3638	,5012
259	ρ Horologii.	6.7	2	19 51,50	1,776	,8391	,9150	,2494	,7333
260	Eridani.	8	5	20 45,07	2,172	,7528	,8325	,3369	,5708
261	Fornacis.	6.7	3	22 35,14	2,366	+8,7082	+8,7949	+0,3740	—8,4580
262	Eridani.	8	3	24 54,55	2,173	,7402	,8360	,3371	,5541
263	Fornacis.	7.8	3	25 6,09	2,362	,7016	,7982	,3733	,4501
264	Horologii.	6.7	3	25 29,38	1,912	,7927	,8905	,2815	,6630
265	———	6	3	27 49,21	1,773	,8136	,9205	,2487	,7035
266	Eridani.	8	5	27 52,01	2,228	+8,7199	+8,8274	+0,3479	—8,5147
267	Fornacis.	6	3	28 8,79	2,399	,6861	,7943	,3800	,4151
268	———	6	5	30 35,57	2,343	,6895	,8074	,3698	,4404
269	———	6.7	3	30 37,32	2,446	,6705	,7884	,3885	,3741
270	Eridani.	6.7	3	31 0,60	2,272	,7019	,8216	,3564	,4793

No.	Declination (South) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a′	b′	c′	d′	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
226	62 57 27,30	+13,723	+9,9279	—9,7852	+1,1375	—9,8626	506	+ 3,01	—	— 1,89
227	47 5 24,83	13,719	,9186	,7000	,1373	,8627	505	— 2,29	—	— 2,92
228	41 58 49,46	13,698	,9085	,6600	,1366	,8633	507	— 2,64	—	— 3,50
229	39 24 25,80	13,677	,9025	,6365	,1360	,8639	508	— 3,88	— 3,36	+ 0,02
230	57 55 16,78	13,629	,9304	,7605	,1345	,8668	511	+ 0,35	— 1,65	+ 6,91
231	33 46 7,62	13,585	+9,8870	—9,5759	+1,1331	—9,8663	512	— 2,25	—	+ 8,52
232	39 35 49,84	13,570	,9047	,6349	,1326	,8668	513	— 1,46	—	— 0,64
233	41 49 33,61	13,570	,9101	,6546	,1326	,8668	514	— 2,60	—	+ 5,35
234	31 25 17,45	13,565	,8768	,5474	,1324	,8669	515	—	—	— 0,75
235	46 15 56,15	13,553	,9201	,6889	,1320	,8673	516	— 1,82	—	+ 5,39
236	43 53 44,38	13,531	+9,9159	—9,6701	+1,1313	—9,8679	517	+ 2,84	—	— 0,43
237	41 51 39,28	13,471	,9122	,6537	,1294	,8695	519	+ 0,24	—	+ 1,47
238	60 6 26,66	13,458	,9335	,7649	,1290	,8698	521	— 2,45	— 2,81	+ 0,03
239	38 57 54,03	13,376	,9063	,6228	,1263	,8720	525	+13,82	—	+ 7,28
240	48 20 25,96	13,388	,9258	,6981	,1267	,8716	523	— 1,98	— 0,94	+ 0,77
241	35 45 12,19	13,376	+9,8960	—9,5908	+1,1263	—9,8720	524	— 3,49	—	+ 0,20
242	38 53 18,30	13,367	,9058	,6217	,1260	,8722	527	— 2,50	—	+ 7,46
243	24 42 24,84	13,369	,8488	,4449	,1260	,8722	526	—	—	— 0,56
244	35 35 14,06	13,336	,8960	,5878	,1250	,8730	528	— 3,19	—	+ 2,34
245	43 9 13,93	13,275	,9185	,6560	,1230	,8746	533	+ 3,51	—	+ 2,35
246	26 52 27,60	13,271	+9,8603	—9,4758	+1,1229	—9,8746	531	—	—	+ 4,46
247	27 11 17,70	13,271	,8621	,4805	,1229	,8746	532	—	—	+ 2,23
248	24 12 45,42	13,245	,8482	,4328	,1220	,8753	534	—	—	+ 4,48
249	26 9 48,64	13,183	,8585	,4623	,1200	,8769	538	—	—	+ 4,27
250	48 21 2,35	13,113	,9304	,6880	,1177	,8787	539	—	+ 0,64	—9 48,00
251	39 1 56,66	13,095	+9,9101	—9,6142	+1,1171	—9,8791	541	— 2,70	—	+ 1,20
252	41 50 9,13	13,065	,9185	,6380	,1161	,8798	542	— 2,83	—	*
253	33 16 39,22	13,051	,8921	,5529	,1156	,8802	543	— 2,36	— 1,89	+ 2,31
254	41 47 55,58	12,985	,9196	,6352	,1134	,8818	544	— 2,50	—	— 2,38
255	30 24 39,19	12,966	,8808	,5151	,1128	,8822	545	— 2,66	— 3,09	— 3,31
256	38 51 39,62	12,904	+9,9127	—9,6064	+1,1107	—9,8837	547	— 3,37	—	+ 4,88
257	27 52 58,02	12,896	,8704	,4782	,1104	,8839	548	— 2,11	— 2,83	— 5,69
258	36 31 20,26	12,882	,9058	,5825	,1100	,8842	550	—	—	— 0,19
259	51 37 43,80	12,887	,9390	,7025	,1101	,8841	551	— 1,89	— 1,69	+ 0,60
260	41 7 55,70	12,819	,9201	,6239	,1078	,8857	553	— 1,17	—	+ 0,94
261	34 12 37,45	12,698	+9,8998	—9,5516	+1,1037	—9,8885	558	— 3,29	—	— 2,22
262	40 39 45,19	12,539	,9227	,6102	,0983	,8921	562	— 2,53	—	+ 0,17
263	34 5 40,17	12,527	,9009	,5444	,0978	,8924	563	— 3,13	—	+9 58,08
264	47 55 23,02	12,503	,9400	,6655	,0970	,8929	565	— 2,50	— 4,28	+ 4,72
265	50 55 27,37	12,343	,9469	,6794	,0914	,8964	567	— 2,18	— 3,05	+ 0,24
266	38 34 24,35	12,333	+9,9191	—9,5840	+1,0911	—9,8966	568	+ 3,61	—	+ 7,21
267	32 24 48,52	12,320	,8971	,5177	,0906	,8969	569	— 2,61	—	— 3,57
268	34 18 43,06	12,149	,9063	,5335	,0845	,9005	574	— 3,38	—	+ 2,40
269	30 21 3[illegible],56	12,149	,8904	,4862	,0845	,9005	575	— 1,99	— 3,19	— 1,50
270	36 49 20,50	12,117	,9164	,5589	,0834	,9012	576	— 0,90	—	— 3,90

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s.				
271	Reticuli.	8	6	3 31 3,52	+ 2,340	+8,6888	+8,8085	+0,3692	—8,4406
272	———	9	1	32 49,69	2,333	,6848	8,8116	,3679	,4377
273	———	7	3	34 29,74	2,385	,6700	8,8034	,3775	,3988
274	———	—	—	34	1,169	,9028	9,0371	,0678	,8422
275	———	7.8	2	34 59,23	1,179	,9003	9,0353	,0715	,8391
276	Horologii.	6.7	3	35 27,20	1,613	+8,8182	+8,9564	+0,2076	—8,7229
277	———	7	3	37 1,97	1,927	,7519	,8952	,2849	,6121
278	Eridani.	6	3	38 26,74	2,119	,7095	,8586	,3261	,5277
279	———	7	3	38 57,82	2,175	,6964	,8475	,3375	,4982
280	Fornacis.	7.8	4	39 27,92	2,359	,6598	,8130	,3727	,3955
281	Horologii.	6.7	6	39 56,91	1,828	+8,7615	+8,9165	+0,2620	—8,6363
282	Eridani.	7	5	40 2,04	2,178	,6925	,8476	,3381	,4925
283	Horologii.	6.7	3	40 13,64	1,503	,8227	,9788	,1770	,7359
284	———	6	3	40 18,01	1,858	,7548	,9109	,2690	,6249
285	π ———	6	3	40 29,71	1,516	,8199	,9769	,1807	,7321
286	Horologii.	—	—	40	1,817	+8,7615	+8,9193	+0,2593	—8,6378
287	Fornacis.	7.8	3	43 56,82	2,333	,6506	,8219	,3679	,3934
288	Eridani.	7	4	44 24,92	2,026	,7073	,8804	,3066	,5427
289	Horologii.	7	3	46 48,80	1,885	,7264	,9094	,2753	,5879
290	ν ———	6.7	3	47 41,15	2,469	,6150	,8019	,3925	,2885
291	Eridani.	6.7	3	47 54,99	2,070	+8,6868	+8,8743	+0,3160	—8,5096
292	Horologii.	6	3	48 36,25	1,849	,7271	,9174	,2669	,5937
293	———	6	3	49 38,67	1,866	,7201	,9148	,2709	,5832
294	———	6	3	50 22,27	1,564	,7728	,9720	,1942	,6794
295	———	7	5	51 18,43	1,502	,7262	,9279	,2557	,5988
296	Doradus.	6.7	3	53 40,57	1,709	+8,7354	+8,9467	+0,2327	—8,6200
297	*a* Fornacis.	5.6	3	54 17,94	2,385	,6072	8,8218	,3775	,3182
298	Reticuli.	9	3	54 25,68	1,297	,8070	9,0216	,1129	,7316
299	Eridani.	8	5	54 42,84	2,131	,6512	8,8675	,3286	,4536
300	Reticuli.	9	4	54 59,18	1,287	,8063	9,0235	,1096	,7314
301	Reticuli.	6	3	55 18,26	1,268	+8,8074	+9,0269	+0,1031	—8,7337
302	Horologii.	7.8	2	55 58,55	1,927	,6852	8,9067	0,2849	,5338
303	Reticuli.	6.7	3	56 5,78	1,309	,7982	9,0200	0,1169	,7214
304	δ ———	5 6	3	56 14,33	0,928	,8611	9,0832	9,9675	,8064
305	Horologii	7	5	56 50,49	2,144	,6410	8,8665	0,3312	,4381
306	Doradus.	7.8	3	57 0,46	1,442	+8,7713	+8,9971	+0,1590	—8,6834
307	———	7	3	57 8,54	1,437	,7715	,9979	,1575	,6840
308	———	7.8	3	57 12,99	1,437	,7713	,9980	,1575	,6838
309	———	7	2	57 31,18	1,650	,7313	,9594	,2175	,6215
310	Horologii.	7	3	57 39,58	1,928	,6787	,9074	,2851	,5262
311	Horologii.	7	4	57 50,88	1,924	+8,6787	+8,9083	+0,2842	—8,5268
312	———	7	4	58 39,48	1,908	,6788	8,9118	0,2806	,5295
313	Reticuli.	6.7	3	58 43,99	0,942	,8486	9,0816	9,9740	,7925
314	Horologii.	7.8	3	59 42,03	1,908	,6748	8,9125	0,2806	,5251
315	Reticuli.	7.8	5	59 51,35	0,911	,8489	9,0868	9,9595	,7940

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	b'	c'	d'	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.		
271	34 23 22,20	+12,119	+9,9074	−9,5333	+1,0834	−9,9012	577	− 0,30	——	+12,59
272	34 29 23,83	11,991	,9096	,5339	,0789	,9038	581	− 0,62	——	+20,00
273	32 23 12,39	11,873	,9015	,5015	,0746	,9061	584	− 5,84	——	− 2,39
274	60 28	11,860	,9614	,7116	,0741	,9064	585	——	——	——
275	60 18 3,82	11,846	,9614	,7104	,0736	,9067	586	− 3,08	− 3,99	+ 0,13
276	53 25 47,04	11,789	+9,9581	−9,6743	+1,0715	−9,9078	588	——	− 0,26	+ 0,26
277	46 28 14,05	11,699	,9489	,6264	,0682	,9095	592	− 2,52	− 2,67	− 1,62
278	41 9 46,89	11,597	,9355	,5806	,0643	,9115	594	——	——	− 4,20
279	39 19 33,14	11,560	,9309	,5628	,0629	,9122	595	——	——	− 3,98
280	32 58 58,46	11,523	,9079	,4954	,0616	,9128	596	− 3,07	——	+10,79
281	48 33 36,52	11,490	+9,9547	−9,6332	+1,0603	−9,9134	600	——	− 1,39	+ 7,34
282	39 5 3,16	11,490	,9309	,5584	,0603	,9134	599	−10,71	——	− 4,75
283	54 59 17,76	11,472	,9643	,6709	,0596	,9138	605	+29,39	——	− 2,65
284	47 51 37,25	11,472	,9538	,6277	,0596	,9138	601	——	− 3,88	+ 0,20
285	54 46 51,65	11,457	,9638	,6693	,0591	,9141	602	——	− 2,74	− 1,49
286	48 46	11,443	+9,9557	−9,6328	+1,0585	−9,9143	604	——	——	——
287	33 36 4,12	11,202	,9138	,4902	,0493	,9187	613	− 2,85	——	+10,73
288	43 12 52,69	11,168	,9464	,5815	,0480	,9192	615	——	− 2,89	+ 7,89
289	46 38 37,76	10,993	,9571	,6007	,0413	,9223	619	——	− 1,42	+ 2,79
290	28 8 48,21	10,925	,8910	,4100	,0384	,9234	621	− 1,55	− 2,45	− 3,48
291	41 42 6,02	10,915	+9,9614	−9,6093	+1,0380	−9,9236	622	——	——	+ 2,73
292	47 22 0,33	10,867	,9600	,6007	,0361	,9244	624	− 2,32	− 2,52	+ 0,47
293	46 53 16,38	10,787	,9600	,5942	,0329	,9257	627	− 2,54	− 1,29	− 0,92
294	53 9 29,10	10,767	,9708	,6334	,0321	,9260	628	——	——	+ 0,37
295	48 14 0,60	10,665	,9638	,5986	,0279	,9277	631	——	− 1,22	+ 9,80
296	50 4 15,97	10,496	+9,9694	−9,6037	+1,0210	−9,9304	633	− 1,87	− 2,17	+ 0,44
297	30 56 41,85	10,437	,9095	,4267	,0186	,9313	635	——	− 2,95	− 0,57
298	57 13 33,34	10,437	,9791	,6413	,0186	,9313	636	− 2,14	——	− 5,54
299	39 23 42,97	10,407	,9430	,5178	,0173	,9318	637	− 1,75	——	− 6,53
300	57 20 15,69	10,392	,9800	,6399	,0167	,9320	638	+ 0,20	——	−18,59
301	57 33 24,37	10,352	+9,9800	−9,6394	+1,0150	−9,9326	639	− 1,83	——	+ 4,75
302	44 53 56,46	10,317	,9605	,5602	,0135	,9331	640	− 2,08	——	− 0,50
303	56 55 40,53	10,312	,9800	,6345	,0133	,9332	641	− 2,19	——	− 4,23
304	61 51 12,91	10,307	,9827	,6565	,0131	,9333	642	− 3,49	− 2,14	+ 2,40
305	38 49 55,20	10,247	,9430	,5058	,0106	,9342	643	− 1,24	——	+ 5,84
306	54 46 27,36	10,242	+9,9786	−9,6206	+1,0104	−9,9343	644	− 4,49	——	− 2,17
307	54 50 31,68	10,232	,9791	,6205	,0099	,9344	645	− 2,66	——	+ 2,62
308	54 51 20,76	10,227	,9791	,6203	,0097	,9345	646	− 0,61	——	− 4,36
309	50 57 21,85	10,206	,9736	,5969	,0087	,9349	647	——	− 0,74	+ 3,44
310	44 44 37,01	10,192	,9609	,5538	,0082	,9350	648	− 2,85	——	+ 3,74
311	44 49 59,40	10,176	+9,9614	−9,5538	+1,0076	−9,9352	650	− 2,32	——	− 5,52
312	45 10 32,86	10,117	,9628	,5538	,0050	,9361	652	− 2,17	——	− 3,97
313	61 31 40,53	10,117	,9854	,6471	,0050	,9361	654	− 2,25	− 2,85	+ 4,43
314	45 6 25,40	10,036	,9657	,5499	,0015	,9373	655	− 2,72	——	+ 1,86
315	61 48 9,82	10,031	,9859	,6445	,0013	,9374	656	− 4,21	——	+10,99

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.					
316	Horologii.	8	6	4 1 9,87	+1,994	+8,6530	+8,8972	+0,2997	—8,4851
317	Reticuli.	8	3	1 13,00	1,104	,8095	9,0566	,0430	,7443
318	Horologii.	6.7	3	2 9,30	1,970	,6536	8,9021	,2945	,4901
319	———	6.7	5	2 21,03	1,678	,7071	8,9565	,2248	,5916
320	———	7	4	2 55,83	1,970	,6504	8,9025	,2945	,4864
321	Reticuli.	8	3	3 25,25	1,022	+8,8163	+9,0702	+0,0094	—8,7551
322	Horologii.	6.7	3	3 37,31	1,847	,6711	8,9258	,2665	,5301
323	———	7.8	5	4 42,65	2,001	,6377	8,8978	,3012	,4660
324	Eridani.	6.7	3	4 49,20	2,227	,5966	8,8570	,3477	,3625
325	Cæli Sclup.	7	5	5 0,92	2,052	,6271	8,8888	,3122	,4435
326	Eridani.	7	2	7 42,83	2,374	+8,5605	+8,8345	+0,3755	—8,2660
327	Cæli Sculp.	6	3	8 6,92	2,051	,6151	8,8907	,3120	,4299
328	—— ——	6.7	3	8 10,33	2,165	,5944	8,8702	,3355	,3780
329	Horologii.	7	3	9 15,12	1,820	,6530	8,9335	,2601	,5137
330	Doradus.	7	2	10 35,63	1,138	,7670	9,0533	,0561	,6974
331	ν Horologii.	7	3	10 53,09	2,097	+8,5955	+8,8840	+0,3216	—8,3969
332	Cæli Sculp.	8	3	11 38,65	2,096	,5926	8,8845	0,3214	,3937
333	γ Doradus.	5	3	11 50,64	1,551	,6907	8,9843	0,1906	,5866
334	Reticuli.	7	5	13 57,30	0,882	,7932	9,0945	9,9455	,7364
335	Doradus.	7.8	5	14 18,83	1,463	,6953	8,9995	0,1652	,5993
336	Cæli Sculp.	7	3	14 29,22	1,977	+8,6021	+8,9075	+0,2960	—8,4304
337	Doradus.	7.8	3	14 43,65	1,462	,6935	8,9999	,1649	,5975
338	———	6.7	3	14 43,67	1,465	,6933	8,9993	,1658	,5969
339	———	8	2	15 6,94	1,459	,6926	9,0006	,1641	,5967
340	Cæli Sculp.	6.7	3	18 45,91	2,039	,5729	8,8987	,3094	,3849
341	Cæli Sculp.	7	3	19 28,49	1,884	+8,5974	+8,9267	+0,2751	—8,4421
342	Horologii.	7	3	19 32,30	1,770	,6174	8,9471	,2480	,4815
343	Cæli Sculp.	7	5	19 32,41	2,183	,5415	8,8755	,3391	,3111
344	—— ——	7	3	20 47,48	2,088	,5551	8,8911	,3197	,3534
345	Horologii.	7	3	20 50,29	1,846	,5973	8,9342	,2662	,4482
346	Doradus.	7	3	21 5,59	1,170	+8,7138	+9,0510	+0,0685	—8,6394
347	α Cæli Sculp.	6.7	3	21 14,28	2,017	,5658	8,9038	,3047	,3818
348	Eridani.	8	1	22 16,45	2,360	,5026	8,8462	,3729	,2029
349	Cæli Sculp.	6	3	22 24,03	1,750	,6079	8,9519	,2430	,4741
350	—— ——	7	2	22 47,42	2,118	,5412	8,8868	,3259	,3300
351	Reticuli.	6.7	3	22 53,36	0,817	+8,7602	+9,1062	+9,9122	—8,7045
352	Cæli Sculp.	6.7	3	22 55,41	1,958	,5683	8,9149	0,2918	,3964
353	—— ——	7	3	23 44,84	2,079	,5434	8,8941	0,3178	,3424
354	Cæli Sculp.	7	3	24 36,46	1,763	,5936	8,9505	0,2462	,4567
355	—— ——	7	3	25 10,49	2,139	,5264	8,8846	0,3302	,3080
356	Cæli Sculp.	7	3	27 8,24	2,175	+8,5113	+8,8796	+0,3375	—8,2808
357	—— ——	7	3	27 26,72	2,087	,5247	8,8948	0,3195	,3200
358	Doradus.	7	3	28 53,43	0,926	,7142	9,0910	9,9666	,6522
359	α ———	5.6	3	30 32,90	1,279	,6494	9,0354	0,1069	,5647
360	Cæli Sculp.	7	5	30 49,01	2,097	,5067	8,8945	0,3216	,2974

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
316	42 47 49,67	+9,924	+9,9581	—9,5268	+0,9967	—9,9389	657	— 3,78	—	+ 8,43
317	59 23 31,74	9,873	,9868	,6274	,9945	,9396	658	— 2,22	—	+ 2,30
318	43 20 45,23	9,848	,9609	,5279	,9934	,9400	659	— 1,79	— 1,02	— 0,43
319	50 3 37,55	9,833	,9763	,5753	,9927	,9402	661	— 1,92	—	— 6,37
320	43 16 50,85	9,787	,9614	,5247	,9907	,9408	662	— 2,10	—	+ 2,22
321	60 18 24,01	9,757	+9,9886	—9,6262	+0,9893	—9,9413	664	—	— 0,02	+ 2,14
322	46 17 24,73	9,742	,9694	,5457	,9886	,9415	663	— 3,57	—	+ 1,63
323	42 20 43,90	9,650	,9595	,5109	,9845	,9427	665	— 1,21	—	+ 6,62
324	35 41 30,21	9,644	,9360	,4483	,9843	,9428	666	—	— 2,71	+ 2,53
325	40 57 17,01	9,624	,9557	,4978	,9834	,9431	667	— 0,86	—	—12,16
326	30 31 19,35	9,450	+9,9143	—9,3774	+0,9738	—9,9459	670	—	—	— 4,82
327	40 46 1,36	9,388	,9571	,4854	,9726	,9462	672	— 2,36	—	+ 2,78
328	37 26 14,16	9,383	,9455	,4540	,9723	,9463	673	— 1,87	—	— 1,98
329	46 31 59,93	9,305	,9736	,5275	,9687	,9473	675	— 1,53	—	— 0,18
330	58 25 39,34	9,207	,9926	,5926	,9641	,9485	677	— 2,93	—	+ 1,40
331	39 16 48,85	9,171	+9,9537	—9,4619	+0,9624	—9,9489	678	— 1,51	—	+ 0,53
332	39 14 23,39	9,114	,9538	,4588	,9597	,9497	680	— 1,46	—	— 0,23
333	51 53 32,62	9,104	,9863	,5531	,9592	,9498	682	— 2,71	— 3,19	+ 1,11
334	61 20 31,90	8,958	,9965	,5935	,9522	,9516	686	—13,26	—	+ 7,64
335	53 17 38,70	8,911	,9899	,5520	,9499	,9522	688	— 0,13	—	— 4,61
336	42 20 33,19	8,890	+9,9657	—9,4753	+0,9489	—9,9524	689	— 0,46	—	+ 1,19
337	53 17 43,09	8,874	,9908	,5502	,9481	,9526	692	+ 2,31	—	— 3,66
338	53 15 4,51	8,880	,9903	,5501	,9484	,9525	691	—	— 3,34	+ 0,10
339	53 19 50,79	8,848	,9908	,5491	,9469	,9529	693	— 1,80	—	— 0,47
340	40 25 30,36	8,560	,9624	,4425	,9324	,9563	700	— 1,77	—	— 3,06
341	44 23 24,71	8,501	+9,9745	—9,4723	+0,9295	—9,9569	703	+ 0,30	—	+ 4,50
342	47 0 50,51	8,494	,9814	,4914	,9291	,9570	704	— 2,72	— 3,00	— 0,91
343	36 2 22,73	8,459	,9474	,3950	,9273	,9594	705	+27,04	—	— 0,63
344	38 57 0,13	8,396	,9586	,4204	,9240	,9581	709	— 1,16	—	— 1,97
345	45 13 10,76	8,380	,9777	,4723	,9232	,9583	710	—	—	— 3,76
346	57 26 7,39	8,375	+9,9996	—9,5467	+0,9230	—9,9583	713	—	—	+ 3,36
347	40 53 34,34	8,364	,9657	,4364	,9224	,9584	712	— 2,63	— 3,71	+ 0,60
348	30 6 57,48	8,274	,9212	,3161	,9177	,9594	721			+ 0,63
349	47 17 42,55	8,268	,9836	,4820	,9174	,9595	714	— 2,14	—	— 1,97
350	37 57 45,31	8,242	,9552	,4030	,9160	,9598	716	— 2,58	—	+ 2,84
351	61 36 3,56	8,236	+0,0035	—9,5581	+0,9157	—9,9598	718	— 2,91	— 2,18	— 3,72
352	42 19 1,29	8,226	9,9708	,4414	,9152	,9599	717	— 2,30	—	— 2,46
353	39 2 5,34	8,162	,9600	,4089	,9118	,9606	719	— 1,16	—	— 1,97
354	46 52 5,73	8,066	,9845	,4678	,9067	,9616	722	—	—	+ 1,92
355	37 13 24,37	8,045	,9542	,3852	,9055	,9618	724	— 3,22	—	+ 3,69
356	36 2 25,67	7,890	+9,9504	—9,3647	+0,8971	—9,9634	731	— 1,01	—	— 0,62
357	38 37 25,23	7,863	9,9605	,3889	,8956	,9637	734	— 0,43	—	+ 1,59
358	60 6 28,97	7,761	0,0065	,5260	,8899	,9647	739	— 2,73	—	— 0,24
359	55 22 40,23	7,621	0,0035	,4954	,8820	,9661	744	— 2,25	— 2,32	— 0,37
360	38 8 58,68	7,594	9,9605	,3693	,8805	,9663	745	— 1,09	—	— 4,99

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
361	Cæli Sculp.	7	2	4 31 11,90	+2,171	+8,4923	+8,8822	+0,3367	—8,2608
362	Equ. Pict.	9	5	33 50,45	1,456	,6029	9,0067	,1632	,5016
363	ξ Cæli Sculp.	6.7	3	34 44,72	2,056	,4940	8,9084	,3130	,2940
364	Equ. Pict.	6	3	35 6,93	1,475	,5927	9,0040	,1688	,4891
365	—— ——	7	3	36 10,76	1,641	,5589	8,9758	,2151	,4355
366	Cæli Sculp.	7.8	3	36 12,22	2,111	+8,4770	+8,8947	+0,3245	—8,2613
367	Equ. Pict.	6.7	3	37 24,01	1,673	,5461	8,9706	,2235	,4179
368	Eridani.	6.7	3	37 49,41	2,407	,4221	8,8490	,3815	,0918
369	λ Equ. Pict.	5	3	38 40,71	1,532	,5636	8,9951	,1853	,4528
370	Cæli Sculp.	7.8	3	38 41,71	2,132	,4600	8,8923	,3288	,2370
371	Equ. Pict.	6.7	5	39 25,58	1,643	+8,5406	+8,9764	+0,2156	—8,4160
372	—— ——	7	3	39 53,90	1,429	,5744	9,0129	,1550	,4741
373	Cæli Sculp.	7	3	40 56,11	2,095	,4544	8,8995	,3212	,2411
374	—— ——	7	3	41 30,18	2,064	,4561	8,9050	,3147	,2511
375	—— ——	7	3	42 53,21	1,723	,5115	8,9635	,2363	,3746
376	Cæli Sculp.	7	5	44 33,04	1,925	+8,4686	+8,9297	+0,2844	—8,2891
377	—— ——	6	3	44 36,57	0,928	,6267	9,0934	9,9675	,5616
378	—— ——	6.7	3	44 59,50	2,051	,4382	8,9081	0,3120	,2348
379	Doradus.	8	3	45 25,04	0,712	,6532	9,1254	9,8525	,5982
380	η Cæli Sculp.	6.7	3	46 1,10	2,197	,4086	8,8850	0,3418	,1608
381	ι^1 Equ. Pict.	6	5	47 21,14	1,338	+8,5458	+9,0297	+0,1265	—8,4522
382	ι^2 —— ——	7	5	47 22,63	1,338	,5454	9,0297	,1265	,4519
383	—— ——	7	3	47 29,18	1,700	,4834	8,9690	,2304	,3483
384	—— ——	6.7	3	47 35,25	1,443	,5267	9,0124	,1593	,4231
385	Cæli Sculp.	7	3	48 17,08	2,155	,4014	8,8926	,3334	,1671
386	Cæli Sculp.	7	3	48 57,63	2,448	+8,3535	+8,8491	+0,3888	—7,9951
387	Equ. Pict.	8	3	49 9,96	1,278	,5445	9,0397	,1065	8,4557
388	Cæli Sculp.	7	3	49 11,49	2,024	,4181	8,9145	,3062	8,2202
389	—— ——	6.7	3	50 44,54	2,028	,4074	8,9145	,3071	8,2080
390	Equ. Pict.	7	3	51 45,29	1,266	,5299	9,0432	,1024	8,4406
391	Doradus.	6.7	3	52 16,32	0,957	+8,5734	+9,0903	+9,9809	—8,5056
392	Equ. Pict.	7	3	53 18,94	1,250	,5209	9,0451	0,0969	,4334
393	Cæli Sculp.	7	3	54 13,65	2,107	,3720	8,9027	0,3237	,1501
394	Doradus.	6.7	3	54 27,75	0,991	,5539	9,0856	9,9961	,4838
395	———	7	3	55 17,82	0,999	,5473	9,0846	0,0000	,4766
396	Equ. Pict.	7	3	55 19,49	1,556	+8,4573	+8,9955	+0,1920	—8,3395
397	Doradus.	7	3	55 24,17	0,978	,5491	9,0878	9,9903	,4796
398	Cæli Sculp.	7	3	56 18,69	2,093	,3599	8,9058	0,3208	,1414
399	θ ———	5.6	3	56 19,91	2,265	,3327	8,8786	0,3551	,0569
400	Doradus.	8	3	57 23,13	0,949	,5401	9,0923	9,9773	,4720
401	Cæli Sculp.	7	3	57 50,03	1,916	+8,3790	+8,9356	+0,2824	—8,2032
402	Equ. Pict.	6.7	3	58 38,26	1,566	,4320	8,9945	0,1948	,3113
403	η^1 —— ——	7	3	58 50,42	1,536	,4362	8,9996	0,1864	,3200
404	Doradus.	8	3	59 3,12	0,943	,5289	9,0934	9,9863	,4609
405	E Equ. Pict.	7	2	59 7,32	1,547	,4324	8,9978	0,1895	,3148

No.	Declination (*South*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″							s.	s.	″
361	35 36 50,27	+ 7,561	+9,9518	—9,3452	+0,8786	—9,9666	746	— 3,23	—	— 0,74
362	52 22 27,95	7,356	0,0019	,4634	,8666	,9686	753	— 5,57	—	+ 8,15
363	39 7 11,52	7,274	9,9661	,3598	,8618	,9693	755	— 1,69	—	+ 0,27
364	51 59 19,92	7,247	0,0009	,4547	,8602	,9696	756	— 4,38	— 3,17	— 2,02
365	48 50 56,22	7,166	9,9952	,4300	,8553	,9703	761	— 3,68	—	+ 3,19
366	37 29 51,20	7,155	+9,5600	—9,3370	+0,8546	—9,9704	760	— 3,11	—	— 1,07
367	48 7 45,88	7,057	9,9943	,4185	,8486	,9713	766	— 1,38	—	+ 0,80
368	27 52 37,36	7,024	9,9159	,2144	,8466	,9715	769	— 2,77	—	+ 5,19
369	50 47 7,87	6,958	0,0004	,4298	,8425	,9721	772	— 2,06	— 2,56	— 2,66
370	36 45 9,64	6,947	9,9590	,3168	,8418	,9722	771	+ 0,12	—	— 3,19
371	48 38 12,33	6,898	+9,9961	—9,4122	+0,8387	—9,9726	774	— 2,96	—	+ 7,53
372	52 33 47,79	6,860	0,0043	,4342	,8363	,9729	777	— 2,15	—	+ 1,23
373	37 44 46,37	6,768	9,9638	,3153	,8305	,9737	780	— 3,56	—	+ 1,18
374	38 35 50,89	6,717	9,9671	,3199	,8272	,9741	782	— 1,30	—	— 1,08
375	46 52 53,62	6,673	9,9934	,3856	,8243	,9745	785	—47,02	—	+ 3,78
376	42 7 57,21	6,470	+9,9809	—9,3356	+0,8109	—9,9761	796	—	— 2,90	— 8,66
377	59 25 13,84	6,475	0,0154	,4443	,8112	,9761	797	— 2,68	—	+ 3,41
378	38 50 26,14	6,420	9,9694	,3032	,8075	,9765	798	— 1,35	—	+ 0,96
379	61 45 19,74	6,403	0,0166	,4494	,8064	,9766	803	—	— 2,31	— 3,47
380	34 30 39,53	6,348	9,9513	,2538	,8026	,9770	806	—	— 2,97	+ 1,67
381	53 44 6,06	6,248	+0,0099	—9,4003	+0,7958	—9,9778	810	— 1,89	— 1,90	+10,69
382	53 44 0,02	6,243	0,0099	,3999	,7954	,9778	811	— 1,79	—	+ 6,98
383	47 7 14,99	6,226	9,9965	,3573	,7942	,9780	812	— 2,26	— 2,51	+ 4,41
384	51 59 44,94	6,226	0,0069	,3887	,7942	,9780	815	— 2,86	— 2,92	+ 1,34
385	35 40 33,54	6,154	9,9581	,2530	,7892	,9785	816	— 1,42	—	+ 1,45
386	25 50 18,57	6,099	+9,9069	—9,1249	+0,7852	—9,9789	817	— 2,93	— 2,67	+ 1,97
387	54 35 26,10	6,104	0,0116	,3948	,7856	,9789	824	—11,88	—	— 4,20
388	39 21 4,12	6,088	9,9727	,2846	,7844	,9790	823	—	— 3,11	— 4,34
389	39 11 40,74	5,954	9,9731	,2735	,7748	,9799	826	— 2,19	—	— 2,68
390	54 41 9,38	5,876	0,0133	,3788	,7691	,9805	830	— 2,26	—	— 2,91
391	58 48 25,59	5,831	+0,0183	—9,3960	+0,7658	—9,9808	833	— 2,62	— 2,65	— 3,51
392	54 51 43,49	5,742	0,0141	,3697	,7591	,9814	836	— 2,32	—	— 1,85
393	36 51 53,85	5,664	9,9647	,2293	,7531	,9819	840	— 2,09	—	+ 1,15
394	58 19 11,88	5,653	0,0187	,3802	,7523	,9820	842	— 5,86	—	+ 4,58
395	58 12 35,11	5,586	0,0191	,3745	,7471	,9824	845	— 3,84	—	— 1,22
396	49 41 55,52	5,574	+ 0,0056	—9,3265	+0,7462	—9,9825	843	— 2,42	—	— 1,22
397	58 26 58,86	5,569	0,0195	,3744	,7458	,9825	847	— 2,01	—	+ 3,36
398	37 12 36,60	5,485	9,9671	,2187	,7392	,9831	850	— 1,49	—	+ 0,45
399	32 0 24,76	5,485	9,9435	,1614	,7392	,9831	848	— 2,76	— 3,19	— 3,52
400	58 44 4,77	5,412	0,0204	,3633	,7333	,9836	856	— 5,08	—	— 5,52
401	41 50 15,50	5,361	+9,9845	—9,2514	+0,7293	—9,9839	857	— 3,10	—	— 0,03
402	49 22 58,34	5,294	0,0065	,3020	,7238	,9843	861	—	— 2,23	— 8,19
403	49 56 5,36	5,283	0,0073	,3048	,7228	,9844	863	— 3,16	—	— 3,18
404	58 44 50,94	5,271	0,0208	,3519	,7219	,9844	866	— 5,18	—	+ 2,91
405	49 43 9,42	5,260	0,0073	,3015	,7210	,9845	865	— 3,21	— 0,66	+ 4,56

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. s.	s.				
406	Equ. Pict.	8	2	5 0 16,78	+1,538	+8,4245	+8,9995	+0,1870	—8,3077
407	Doradus.	8	3	0 57,14	1,946	,5142	9,0933	,2891	8,4458
408	Equ. Pict.	6	3	1 40,21	1,247	,4622	9,0470	,0959	8,3735
409	Cæli Sculp.	6	3	2 33,12	2,130	,3092	8,9018	,3284	8,0775
410	—— ——	6.7	6	3 22,52	1,925	,3367	8,9357	,2844	8,1574
411	Equ. Pict.	7	3	4 22,21	1,202	+8,4471	+9,0546	+0,0821	—8,3615
412	—— ——	7	7	5 1,32	1,565	,3835	8,9960	,1945	8,2625
413	Cæli Sculp.	7	6	5 20,31	2,307	,2601	8,8758	,3630	7,9644
414	Equ. Pict.	—	—	6 ——	1,572	,3781	8,9949	,1964	8,2561
415	—— ——	8	5	7 53,49	1,557	,3618	8,9978	,1923	8,2412
416	Equ. Pict.	7.8	3	9 10,03	1,615	+8,3414	+8,9885	+0,2082	—8,2131
417	—— ——	6.7	3	10 10,66	1,385	,3698	9,0264	,1414	8,2697
418	—— ——	6.7	3	10 21,72	1,152	,4054	9,0633	,0614	8,3227
419	Columbæ.	—	—	10 ——	1,201	,3972	9,0556	,0795	8,3108
420	——	7	5	10 26,21	2,230	,2232	8,8890	,3483	7,9558
421	Columbæ.	7	6	10 56,47	2,269	+8,2174	+8,8831	+0,3558	—7,9350
422	Equ. Pict.	7	3	11 43,05	1,572	,3255	8,9961	,1964	8,2024
423	—— ——	7	3	11 58,03	1,373	,3554	9,0286	,1377	8,2541
424	—— ——	7	3	12 35,32	1,573	,3173	8,9960	,1967	8,1938
425	—— ——	7.8	7	12 42,97	1,523	,3238	9,0046	,1827	8,2066
426	Equ. Pict.	7	4	14 18,77	1,516	+8,3102	+9,0057	+0,1807	—8,1934
427	—— ——	7	5	14 27,92	1,223	,3567	9,0527	,0874	8,2681
428	Cæli Sculp.	6.7	3	15 21,38	1,971	,2249	8,9309	,2947	8,0322
429	ξ Equ. Pict.	5.6	3	15 26,90	1,462	,3081	9,0148	,1649	8,1973
430	χ —— ——	6.7	3	15 35,51	1,652	,2756	8,9836	,2180	8,1411
431	Equ. Pict.	7	3	15 45,96	1,815	+8,2467	+8,9567	+0,2589	—8,0861
432	—— ——	7.8	3	16 3,41	1,377	,3165	9,0285	,1389	8,2142
433	Equ. Pict.	7	3	16 45,64	1,777	,2430	8,9632	,2497	8,0889
434	Columbæ.	6	5	16 46,67	2,403	,1442	8,8658	,3807	7,7993
435	Equ. Pict.	7	2	16 52,56	1,508	,2866	9,0075	,1784	8,1705
436	Equ. Pict.	6	2	17 37,15	1,403	+8,2960	+9,0245	+0,1471	—8,1910
437	—— ——	7.8	3	18 9,00	1,487	,2706	9,0112	0,1723	8,1566
438	Columbæ.	7	3	18 21,31	2,163	,1641	8,9011	0,3351	7,9180
439	Doradus.	7.8	2	18 21,75	1,089	,3376	9,0739	0,0370	8,2583
440	——	7	2	18 35,08	0,704	,3926	9,1303	9,8476	8,3341
441	Equ. Pict.	7.8	2	18 37,72	1,231	+8,3135	+9,0519	+0,0903	—8,2238
442	—— ——	7.8	3	19 21,89	1,527	,2577	9,0048	0,1838	8,1390
443	Doradus.	8	4	20 39,54	0,808	,3538	9,1157	9,9074	8,2904
444	Columbæ.	6.7	5	20 59,25	2,405	,1002	8,8667	0,3811	7,7531
445	Equ. Pict.	7	3	21 39,98	1,331	,2632	9,0365	0,1242	8,1645
446	Columbæ.	6.7	3	21 53,91	2,227	+8,1157	+8,8921	+0,3477	—7,8465
447	Equ. Pict.	6.7	3	22 25,67	1,750	,1875	8,9685	0,2430	8,0370
448	Columbæ.	5.6	3	22 44,72	2,061	,1313	8,9179	0,3141	7,9145
449	Equ. Pict.	6.7	3	25 26,43	1,641	,1673	8,9868	0,2151	8,0329
450	Doradus.	7	3	25 45,30	0,730	,3051	9,1271	9,8633	8,2449

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
406	49 50 11,07	+ 5,153	+0,0077	—9,2933	+0,7121	—9,9851	869	— 0,67	—	— 1,19
407	58 40 5,21	5,108	0,0220	,3379	,7083	,9854	873	— 3,69	—	+ 1,47
408	54 37 34,42	5,046	0,0170	,3123	,7029	,9858	874	— 2,54	—	+ 0,05
409	35 55 43,65	4,961	9,9638	,1620	,6956	,9863	876	— 2,26	—	— 1,73
410	41 26 3,46	4,894	9,9859	,2084	,6896	,9866	881	— 3,23	—	+ 7,04
411	55 12 2,02	4,801	+0,0191	—9,2940	+0,6815	—9,9871	885	— 2,37	—	— 2,06
412	49 10 57,80	4,752	0,0082	,2539	,6769	,9874	888	— 2,43	—	+ 3,08
413	30 25 31,25	4,718	9,9370	,0762	,6738	,9876	882	—	—	— 6,51
414	49 10	4,707	0,0077	,2488	,6727	,9877	890	—	—	—
415	49 15 7,73	4,514	0,0090	,2320	,6545	,9887	896	— 2,66	—	+ 6,20
416	48 3 48,08	4,406	+0,0069	—9,2139	+0,6440	—9,9892	902	— 3,50	—	+ 7,51
417	52 12 55,23	4,315	0,0162	,2309	,6350	,9897	906	— 2,88	—	+ 0,97
418	55 45 2,77	4,303	0,0216	,2492	,6338	,9897	908	— 2,42	—	— 1,17
419	55 2	4,298	0,0966	,2450	,6332	,9892	909	—	—	—
420	32 41 30,34	4,230	9,9504	,0570	,6263	,9901	910	—	—	+22,85
421	31 27 40,84	4,229	+9,9445	—9,0420	+0,6263	—9,9901	911	—	—	+12,62
422	48 51 48,57	4,184	0,0094	,1966	,6216	,9903	915	— 2,70	—	— 0,21
423	52 21 41,03	4,161	0,0170	,2160	,6192	,9904	916	— 3,38	—	+ 2,97
424	48 48 49,06	4,110	0,0094	,1885	,6138	,9907	918	— 2,94	—	+ 2,97
425	49 46 28,00	4,093	0,0111	,1929	,6120	,9908	917	—27,38	—	+ 5,53
426	49 49 27,99	3,961	+0,0124	—9,1791	+0,5978	—9,9913	923	— 2,80	—	+27,32
427	54 38 36,38	3,956	0,0216	,2067	,5972	,9914	925	— 3,88	—	— 5,95
428	39 55 8,26	3,870	9,9836	,0931	,5877	,9917	928	— 2,10	—	+ 1,34
429	50 46 52,45	3,864	0,0145	,1743	,5870	,9918	930	— 2,36	— 2,85	— 3,08
430	47 12 42,67	3,853	0,0056	,1494	,5858	,9918	931	— 2,37	— 2,94	— 2,22
431	43 40 40,78	3,835	+9,9965	—9,1213	+0,5838	—9,9919	933	— 2,45	— 3,33	+70,30
432	52 12 9,84	3,818	0,0183	9,1777	,5819	,9920	934	— 4,43	—	— 5,01
433	44 31 56,11	3,750	9,9991	9,1180	,5740	,9923	937	— 2,09	— 2,84	— 0,50
434	26 51 36,89	3,738	9,9196	8,9258	,5726	,9923	935	+ 0,75	—	+10,41
435	49 55 52,78	3,744	0,0133	9,1552	,5733	,9923	938	— 2,74	—	+ 2,08
436	51 43 58,75	3,681	+0,0174	—9,1590	+0,5659	—9,9925	942	— 2,15	—	+ 2,71
437	50 15 53,61	3,583	0,0141	9,1383	,5543	,9929	944	— 2,00	—	+ 3,96
438	34 34 5,67	3,612	9,9614	9,0097	,5577	,9928	945	— 2,48	— 2,72	— 1,22
439	56 24 8,20	3,618	0,0249	9,1772	,5584	,9928	946	— 1,46	—	+ 3,60
440	60 56 15,64	3,606	0,0298	9,1967	,5571	,9928	949	— 4,20	— 3,49	+ 2,57
441	52 25 41,29	3,600	+0,0224	—9,1647	+0,5564	—9,9929	948	— 4,57	—	— 1,00
442	49 31 27,64	3,451	0,0128	9,1273	,5480	,9931	954	— 3,28	—	— 1,24
443	59 47 1,39	3,417	0,0290	9,1683	,5336	,9936	960	+ 0,31	—	— 0,51
444	26 43 16,23	3,382	9,9196	8,8801	,5292	,9937	959	— 2,76	— 1,99	+ 8,72
445	52 49 7,42	3,331	0,0204	9,1219	,5225	,9939	964	— 1,38	—	+ 0,54
446	32 33 5,35	3,307	+9,9528	—8,9484	+0,5195	—9,9940	963	— 2,95	— 2,97	+ 3,81
447	45 0 3,40	3,273	0,0017	9,0625	,5150	,9941	965	—	— 2,99	— 1,87
448	37 22 3,01	3,233	9,9745	8,9908	,5096	,9943	966	—	— 2,96	+ 3,77
449	47 12 3,05	3,003	0,0086	9,0411	,4775	,9951	972	— 2,47	— 2,76	+ 1,31
450	60 32 26,34	2,985	0,0310	9,1129	,4750	,9951	975	— 3,49	—	— 1,87

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
451	Equ. Pict.	5.6	3	5 25 45,84	+ 1,642	+8,1638	+8,9868	+0,2154	—8,0293
452	Doradus.	8.9	3	26 8,14	0,704	8,2036	9,0309	9,8476	8,2446
453	Equ. Pict.	7	3	26 11,45	1,860	8,1211	8,9510	0,2695	7,9501
454	—— ——	6.7	3	27 3,82	1,694	8,1377	8,9782	0,2289	7,9957
455	Doradus.	10	3	27 40,96	0,578	8,3026	9,1484	9,7619	8,2480
456	Doradus.	7.8	3	27 47,29	0,586	+8,3005	+9,1472	+9,7679	—8,2462
457	Columbæ.	6	5	29 22,36	2,202	8,0245	8,8973	0,3428	7,7628
458	——	7	6	29 35,62	2,195	8,0217	8,8984	0,3414	7,7623
459	——	7	6	29 55,00	2,339	7,9961	8,8776	0,3690	7,6791
460	Doradus.	6.7	3	29 56,94	0,613	8,2640	9,1436	9,7875	8,2085
461	Equ. Pict.	7	3	30 34,55	1,174	+8,1725	+9,0619	+0,0697	—8,0859
462	Columbæ.	7	3	30 54,24	2,134	8,0125	8,9079	0,3292	7,7729
463	——	6	6	31 24,19	2,342	7,9739	8,8775	0,3696	7,6556
464	Equ. Pict.	5.6	3	31 42,63	1,625	8,0825	8,9902	0,2108	7,9496
465	Columbæ.	7	3	31 56,76	2,027	8,0129	8,9248	0,3068	7,8034
466	Doradus.	6	3	33 13,02	0,648	+8,2090	+9,1390	+9,8116	—8,1519
467	——	8.9	3	33 17,65	0,675	8,2040	9,1351	9,8293	8,1457
468	Equ. Pict.	7	4	33 52,08	1,604	8,0517	8,9939	0,2052	7,9214
469	Columbæ.	7	2	34 22,14	1,924	7,9906	8,9419	0,2842	7,8055
470	Equ. Pict.	7	5	35 18,88	1,168	8,0968	9,0632	0,0674	8,0103
471	Doradus.	8.9	3	36 19,03	0,616	+8,1596	+9,1441	+9,7896	—8,1038
472	——	8	3	36 42,55	0,646	8,1488	9,1395	9,8102	8,0917
473	Equ. Pict.	7.8	4	37 59,25	1,205	8,0419	9,0575	0,0810	7,9527
474	—— ——	6	4	39 9,32	1,695	7,9372	8,9796	0,2292	7,7934
475	—— ——	8	3	39 9,78	1,705	7,9357	8,9780	0,2317	7,7904
476	Equ. Pict.	7.8	5	39 12,92	1,699	+7,9366	+8,9789	+0,2302	—7,7922
477	—— ——	7	3	39 28,35	1,487	,9654	9,0134	0,1723	,8491
478	Columbæ.	7	3	40 7,86	1,975	,8717	8,9342	0,2956	,6741
479	Equ. Pict.	7	3	41 15,36	1,111	,9857	9,0723	0,0457	,9031
480	—— ——	5.6	3	42 2,31	1,656	,8772	8,9861	0,2191	,7390
481	Equ. Pict.	7.8	2	42 17,34	1,107	+7,9625	+9,0730	+0,0441	—7,8801
482	Columbæ.	6.7	3	42 29,34	2,186	,7827	8,9015	0,3396	,5246
483	Equ. Pict.	7	4	42 31,46	1,126	,9546	9,0701	0,0515	,8708
484	Columbæ.	6.7	3	42 27,31	1,570	,8609	9,0022	0,1959	,7344
485	Doradus.	10	2	43 22,30	0,667	,9974	9,1367	9,8241	,9391
486	Equ. Pict.	7	2	43 27,70	1,092	+7,9052	+9,0754	+0,0382	—7,8238
487	β —— ——	5.6	3	43 29,69	1,414	,8823	9,0252	0,1504	,7737
488	Doradus.	6.7	5	43 38,40	0,685	,9897	9,1343	9,8357	,9306
489	Columbæ.	7	3	43 48,93	2,278	,7347	8,8863	0,3575	,4423
490	Doradus.	6.7	2	44 18,64	0,635	,9804	9,1412	9,8028	,9234
491	Doradus.	7.8	5	44 19,11	0,635	+7,9652	+9,1413	+9,9028	—7,9085
492	Equ. Pict.	7	5	44 28,18	1,670	,8139	8,9840	0,2227	,6735
493	Columbæ.	7	3	44 55,48	1,739	,7893	8,9729	0,2403	,6382
494	Equ. Pict.	9	6	46 25,89	0,637	,9170	9,1410	9,8041	,8599
495	Columbæ.	6.7	3	46 50,38	1,902	,7029	8,9464	0,2792	,5211

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
451	47 11 42,88	+2,977	+0,0086	—9,0376	+0,4741	—9,9951	973	— 2,43	— 2,62	+ 2,02
452	60 48 18,21	2,951	0,0314	9,1090	,4699	,9952	977	— 2,22	——	+ 2,69
453	42 25 23,61	2,933	9,9948	8,9944	,4674	,9953	976	— 1,62	— 2,63	+ 3,02
454	46 2 44,32	2,864	0,0060	9,0125	,4570	,9955	978	— 2,70	— 3,38	+ 1,41
455	62 2 34,20	2,830	0,0322	9,0959	,4517	,9956	981	—12,88	——	— 5,06
456	61 56 42,77	2,824	+0,0326	—9,0946	+0,4508	—9,9956	982	—13,57	——	— 0,89
457	33 11 28,02	2,662	9,9566	8,8615	,4252	,9961	986	— 2,51	— 3,41	*
458	33 22 44,92	2,639	9,9581	8,8601	,4214	,9962	987	— 0,84	——	+13,59
459	28 48 39,82	2,610	9,9335	8,7978	,4167	,9963	990	——	— 2,61	+11,13
460	61 39 17,48	2,622	0,0326	9,0612	,4186	,9962	992	— 3,34	——	— 1,20
461	55 0 43,41	2,564	+0,0257	—9,0204	+0,4089	—9,9964	994	— 2,79	— 2,52	— 4,50
462	35 9 58,56	2,529	9,9666	8,8614	,4030	,9965	995	— 2,65	— 3,37	— 2,71
463	28 43 26,24	2,483	9,9335	8,7747	,3950	,9966	997	— 0,28	——	— 7,10
464	47 24 51,34	2,460	0,0107	8,9560	,3909	,9967	999	— 3,08	— 2,72	+ 4,10
465	38 7 17,22	2,436	9,9791	8,8753	,3868	,9968	1000	— 1,86	——	+ 1,56
466	61 16 30,86	2,338	+0,0334	—9,0100	+0,3689	—9,9970	1006	— 0,92	——	— 1,00
467	60 59 35,15	2,332	0,0330	9,0076	,3678	,9970	1005	— 6,15	——	— 0,30
468	47 48 24,37	2,275	0,0120	8,9247	,3569	,9972	1012	— 4,37	——	— 1,16
469	40 46 27,55	2,228	9,9903	8,8609	,3479	,9973	1013	— 1,52	— 2,61	+ 2,69
470	55 2 40,66	2,153	0,0269	8,9446	,3330	,9975	1014	— 3,82	——	— 4,37
471	61 34 57,82	2,066	+0,0338	—8,9574	+0,3151	—9,9977	1020	— 2,47	——	+ 3,97
472	61 15 17,37	2,037	0,0334	,9499	,3090	,9977	1021	— 2,04	——	+ 3,53
473	54 32 31,75	1,921	0,0257	,8924	,2835	,9972	1024	— 4,70	——	+ 0,79
474	45 54 33,10	1,810	0,0074	,8121	,2578	,9982	1029	— 2,64	— 3,35	+ 2,72
475	45 41 39,36	1,811	0,0069	,8106	,2578	,9982	1028	— 3,13	——	— 1,45
476	45 48 48,36	1,811	+0,0069	—8,8115	+0,2578	—9,9982	1031	— 3,75	——	— 2,57
477	49 54 58,40	1,783	0,0174	,8340	,2522	,9983	1033	— 1,79	——	— 4,34
478	39 22 51,61	1,729	9,9854	,7384	,2379	,9982	1036	— 3,32	— 2,89	+ 0,23
479	55 45 52,59	1,636	0,0286	,8293	,2139	,9985	1042	— 4,31	——	+ 2,74
480	46 39 29,83	1,561	0,0098	,7516	,1933	,9987	1043	— 3,47	— 3,10	+ 4,66
481	55 47 13,90	1,549	+0,0290	—8,8058	+0,1901	—9,9987	1045	— 3,97	——	*
482	33 28 43,21	1,520	9,9600	,6218	,1819	,9987	1044	— 1,65	— 2,89	+29,19
483	55 38 25,11	1,532	0,0282	,7995	,1852	,9987	1046	— 5,70	——	*
484	41 38 51,91	1,450	0,0141	,7330	,1615	,9989	1048	+53,02	+52,77	+ 1,01
485	60 58 41,66	1,450	0,0342	,8012	,1615	,9989	1052	— 3,00	——	— 4,06
486	55 59 42,98	1,351	+0,0294	—8,7474	+0,1308	—9,9990	1058	+58,17	——	+ 3,60
487	51 7 37,25	1,439	0,0208	,7474	,1580	,9989	1051	— 1,85	— 2,37	+ 2,89
488	60 46 56,79	1,433	0,0342	,7952	,1562	,9989	1054	— 3,81	——	+12,94
489	30 40 21,40	1,404	9,9455	,5530	,1473	,9989	1053	— 2,59	——	— 1,49
490	61 17 19,19	1,381	0,0346	,7811	,1400	,9990	1056	— 2,11	——	— 0,43
491	61 17 16,34	1,334	+0,0346	—8,7662	+0,1252	—9,9990	1062	+21,70	——	+14,74
492	46 22 3,68	1,351	0,0090	,6885	,1308	,9990	1055	— 2,45	——	+ 4,61
493	44 55 35,41	1,311	0,0047	,6644	,1175	,9991	1061	— 0,58	——	+ 1,20
494	61 15 12,30	1,194	0,0350	,7181	,0771	,9992	1066	— 7,07	——	+ 8,93
495	41 8 47,98	1,142	9,9930	,5740	,0577	,9993	1067	— 1,84	——	+ 2,18

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.					
496	ι Equ. Pict.	5.6	3	5 46 55,66	+1,075	+7,8343	+9,0779	+0,0314	—7,7539
497	—— ——	6	3	46 58,86	1,309	,7961	,0419	0,1169	,6974
498	—— ——	5	3	47 16,24	1,351	,7783	,0354	0,1307	,6757
499	—— ——	7	5	47 45,81	0,689	,8662	,1339	9,8382	,8058
500	—— ——	8.9	1	47 58,32	0,676	,8575	,1357	9,8299	,7987
501	Equ. Pict.	7.8	5	48 55,44	1,587	+7,6793	+8,9978	+0,2006	—7,5503
502	Columbæ.	8	3	49 2,97	1,892	,6244	8,9482	0,2769	,4447
503	Doradus.	10	5	49 15,34	0,613	,8179	9,1443	9,7875	,7616
504	Equ. Pict.	7.8	3	49 29,13	1,051	,7415	9,0816	0,0216	,6626
505	—— ——	8.9	3	49 31,89	0,497	,8144	9,1600	9,6964	,7626
506	Equ. Pict.	6	3	49 39,61	0,998	+7,7439	+9,0895	+9,9991	—7,6683
507	Columbæ.	6.7	3	49 58,89	2,248	,5258	8,8931	0,3518	,2447
508	Equ. Pict.	6.7	3	50 41,37	1,497	,6162	9,0123	0,1752	,4982
509	Columbæ.	6.7	3	50 51,10	2,234	,4894	8,8952	0,3491	,2136
510	Equ. Pict.	6.7	3	51 19,13	1,316	,6188	9,0410	0,1193	,5194
511	Equ. Pict.	7	3	51 42,85	0,571	+7,7075	+9,1501	+9,7566	—7,6528
512	—— ——	9.10	3	51 46,44	0,616	,7014	9,1440	9,7896	,6450
513	—— ——	7.8	3	53 2,99	1,047	,5633	9,0824	0,0199	,4846
514	—— ——	8	3	53 8,07	1,044	,5595	9,0828	0,0187	,4810
515	—— ——	8	6	54 16,82	1,318	,4340	9,0408	0,1199	,3344
516	Equ. Pict.	7.8	3	54 29,94	0,610	+7,5063	+9,1449	+9,7853	—7,4501
517	—— ——	7.8	3	55 11,53	1,308	,3635	9,0423	0,1166	,2647
518	—— ——	7.8	6	55 15,77	1,317	,3561	9,0410	0,1196	,2565
519	—— ——	7	3	55 16,78	1,405	,3360	9,0274	0,1477	,2280
520	—— ——	7	5	55 33,09	1,777	,2437	8,9670	0,2497	,0856
521	Equ. Pict.	—	—	56	1,777	+7,2017	+8,9670	+0,2497	—7,0436
522	—— ——	7	4	57 4,45	1,405	,1140	9,0270	0,1477	7,0059
523	—— ——	8	2	57 27,12	1,154	,0981	9,0662	0,0622	7,0119
524	—— ——	8	6	57 46,49	0,708	,1391	9,1313	9,8500	7,0788
525	—— ——	7	4	57 48,43	1,163	,0336	9,0648	0,0656	6,9467
526	Can. Maj.	8	4	57 56,12	2,317	+6,7944	+8,8835	+0,3649	—6,4845
527	Equ. Pict.	—	—	58	0,923	7,0116	9,1007	9,9652	,9404
528	—— ——	8	2	58 33,80	0,706	6,8740	9,1316	9,8488	,8137
529	—— ——	—	—	58	0,875	6,6854	9,1077	9,9420	,6168
530	—— ——	7	10	59 20,76	0,708	6,5951	9,2313	9,8500	,5347
531	Equ. Pict.	7	3	59 26,26	1,257	+6,4172	+9,0504	+0,0993	—6,3228
532	Columbæ.	6	3	59 56,11	2,304	—5,3490	8,8853	0,3625	+5,0447
533	——	6	3	6 0 4,68	1,728	—5,7398	8,9751	0,2375	5,5899
534	Equ. Pict.	6	4	0 9,58	0,744	—5,8910	9,1263	9,8716	5,8290
535	—— ——	7	3	0 13,64	1,412	—6,0918	9,0260	0,1498	5,9829
536	Equ. Pict.	—	—	0	1,305	—6,2056	+9,0429	+0,1156	+6,1071
537	—— ——	8	3	0 30,81	1,309	,4602	,0423	0,1169	,3613
538	—— ——	6	4	0 38,35	1,560	,5073	,0022	0,1931	,3814
539	—— ——	7.8	5	0 43,34	1,302	,5862	,0433	0,1146	,4879
540	—— ——	9	3	1 6,20	0,693	,8524	,1334	9,8407	,7926

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						*s.*	*s.*	″
496	56 12 31,44	+1,142	+0,0298	—8,6753	+0,0577	—9,9993	1071	— 3,40	— 4,10	+ 0,43
497	52 48 42,76	1,136	,0241	,6548	,0554	,9993	1072	— 2,51	— 2,99	+ 3,27
498	52 8 51,76	1,107	,0228	,6397	,0442	,9993	1074	— 0,41	—	+ 1,15
499	60 43 17,48	1,078	,0342	,6713	,0326	,9994	1077	— 7,20	—	+ 1,30
500	60 51 6,98	1,055	,0346	,6624	,0231	,9994	1078	— 5,89	—	— 2,53
501	47 59 22,86	0,961	+0,0137	—8,5520	+9,9830	—9,9995	1080	— 3,00	—	+ 5,58
502	41 22 32,88	0,950	9,9939	,4960	,9777	,9995	1081	— 2,15	—	— 4,44
503	61 27 51,17	0,945	0,0350	,6168	,9750	,9995	1084	— 3,57	—	+16,34
504	56 29 53,28	0,915	0,0302	,5806	,9614	,9995	1086	— 3,27	—	— 5,03
505	52 32 51,39	0,903	0,0362	,6021	,9558	,9995	1087	+ 1,64	—	+ 1,19
506	57 11 15,39	0,903	+0,0314	—8,5784	+9,9558	—9,9996	1088	— 2,59	— 3,22	— 0,42
507	31 33 33,57	0,860	9,9508	,3513	,9343	,9996	1083	—	—	— 0,57
508	49 39 23,44	0,804	0,0179	,4855	,9054	,9996	1093	— 1,09	— 2,48	— 0,76
509	32 0 1,14	0,787	9,9528	,3182	,8959	,9997	1092	— 1,82	—	+ 4,71
510	52 40 22,54	0,758	0,0245	,4781	,8795	,9997	1095	— 2,74	— 0,77	+ 3,34
511	61 52 6,84	0,723	+0,0354	—8,5024	+9,8590	—9,9997	1099	— 2,07	—	+ 0,15
512	61 25 52,48	0,723	,0354	,5007	,8590	,9997	1100	— 4,97	—	+ 3,01
513	56 32 46,53	0,606	,0306	,4020	,7826	,9998	1101	— 4,12	—	— 1,42
514	56 34 37,81	0,600	,0306	,3980	,7784	,9998	1103	— 4,56	—	+ 1,01
515	52 38 59,02	0,495	,0245	,2934	,6950	,9999	1108	— 2,44	—	+ 4,39
516	61 28 2,91	0,459	+0,0354	—8,3051	+9,6632	—9,9999	1109	— 7,22	—	+ 4,39
517	52 48 19,71	0,420	,0245	,2222	,6229	,9999	1110	— 3,29	—	+ 4,69
518	52 39 53,63	0,414	,0245	,2154	,6169	,9999	1111	— 4,31	—	+ 0,73
519	51 14 4,20	0,408	,0216	,2007	,6107	,9999	1112	— 4,07	— 3,48	— 3,31
520	44 0 45,25	0,379	,0030	,1185	,5785	,9999	1114	—	— 2,65	— 3,34
521	44 0	0,344	+0,0030	—8,0765	+9,5365	—9,9999	1115	—	—	—
522	51 13 27,27	0,245	,0216	7,9788	,3889	0,0000	1118	—	— 2,74	+ 0,18
523	55 5 38,21	0,216	,0286	7,9457	,3338	0,0000	1119	— 1,99	—	—12,81
524	60 29 22,29	0,204	,0350	7,9474	,3097	,0000	1121	— 8,66	—	— 5,71
525	54 57 21,46	0,186	,0286	7,8820	,2708	,0000	1122	— 3,65	—	— 0,52
526	29 20 6,04	0,163	+9,9390	—7,6010	+9,2128	—0,0000	1120	— 0,15	—	— 7,27
527	58 4	0,163	0,0326	,8397	9,2128	,0000	1123	—	—	—
528	60 29 32,60	0,111	0,0350	,6821	9,0444	,0000	1125	+ 9,03	—	+ 7,80
529	58 38	0,076	0,0334	,5091	8,8796	,0000	1126	—	—	—
530	60 29 6,73	0,058	0,0350	,4033	8,7656	,0000	1129	— 2,14	—	+ 0,81
531	53 34 40,44	+0,047	+0,0265	—7,2725	+8,6687	—0,0000	1128	—	— 2,49	+ 4,16
532	29 44 43,65	—0,006	9,9410	+6,1594	—7,7656	,0000	1130	— 2,47	— 2,76	— 1,10
533	45 4 54,99	0,012	0,0060	6,6149	8,0667	,0000	1132	— 4,83	—	— 2,09
534	60 5 36,15	0,012	0,0346	6,7027	8,0667	,0000	1134	— 2,82	—	+ 1,08
535	51 5 25,56	0,023	0,0212	6,9569	8,3677	,0000	1133	— 3,32	—	— 1,26
536	52 51	0,029	+0,0249	+7,0642	—8,4646	—0,0000	1135	—	—	—
537	52 47 6,76	0,052	,0245	,3191	8,7199	,0000	1136	— 1,60	—	— 2,44
538	48 26 43,26	0,064	,0154	,3792	8,8070	,0000	1137	— 1,26	—	+ 8,54
539	52 53 1,77	0,070	,0245	,4446	8,8448	,0000	1138	— 2,24	—	— 1,08
540	60 38 10,08	0,105	,0350	,6593	9,0209	,0000	1142	+ 1,38	—	— 1,70

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
541	Equ. Pict.	—	—	6 1	+0,745	—6,8204	+9,1262	+9,8722	+6,7574
542	—— ——	7	3	1 12,14	1,203	6,7777	9,0587	0,0803	,6878
543	—— ——	7	3	1 39,63	1,694	6,8593	8,9806	0,2289	,7147
544	—— ——	—	—	1	0,771	7,0012	9,1225	9,8870	,9380
545	—— ——	7	3	2 2,71	1,202	7,0140	9,0589	0,0799	,9241
546	Columbæ.	6.7	3	2 32,74	1,676	—7,0384	+8,9835	+0,2159	+6,8966
547	Equ. Pict.	10	3	2 38,83	0,697	,1987	9,1329	9,8432	7,1388
548	—— ——	7	3	2 43,75	1,340	,1244	9,0375	0,1271	7,0227
549	Columbæ.	7.8	3	3 14,81	1,757	,1331	8,9704	0,2448	6,9785
550	Can. Maj.	—	—	4	2,225	,1734	8,8967	0,3473	6,9008
551	Equ. Pict.	7	3	4 10,16	0,583	—7,4116	+9,1484	+9,7657	+7,3564
552	Argus.	7	3	4 41,31	1,867	,2613	8,9524	0,2711	7,0864
553	Equ. Pict.	8.9	3	4 44,61	1,201	,3679	9,0590	0,0705	7,2781
554	Can. Maj.	6	3	4 48,62	2,404	,2048	8,8719	0,3809	6,8536
555	Columbæ.	6	3	4 49,04	2,140	,2423	8,9093	0,3304	6,9986
556	Equ. Pict.	7.8	4	4 49,38	1,278	—7,3742	+9,0470	+0,1065	+7,2780
557	Columbæ.	8	3	5 27,65	2,173	,2924	8,9044	0,3371	,0381
558	Can. Maj.	—	—	5	2,230	,3235	8,8959	0,3483	,0491
559	Equ. Pict.	8	4	6 31,42	1,310	,5014	9,0419	0,1173	,4024
560	Columbæ.	6.7	3	6 56,11	2,079	,4079	8,9187	0,3178	,1826
561	Equ. Pict.	5.6	3	7 11,49	1,166	—7,5657	+9,0644	+0,0667	+7,4787
562	Argus.	8	4	7 39,70	1,824	,4876	8,9593	0,2610	,3212
563	Equ. Pict.	8	3	8 42,71	0,777	,7061	9,1216	9,8904	,6426
564	—— ——	8	3	9 15,19	0,613	,7545	9,1444	9,7875	,6983
565	—— ——	7.8	3	9 22,14	0,754	,7349	9,1248	9,8774	,6725
566	Columbæ.	8	3	9 45,12	1,815	—7,5949	+8,9607	+0,2589	+7,4302
567	Can. Maj.	6	3	9 47,90	2,305	,5250	8,8849	0,3627	,2206
568	Argus.	6.7	4	10 0,39	1,383	,6734	9,0304	0,1408	,5677
569	Equ. Pict.	7	3	10 18,33	0,736	,7817	9,1274	9,8669	,7202
570	Argus.	9	2	10 30,86	1,387	,6925	9,0298	0,1421	,5863
571	Equ. Pict.	8	3	10 40,94	0,737	—7,7953	+9,1271	+9,8675	+7,7337
572	Columbæ.	7.8	3	10 41,86	1,818	,6338	8,9602	0,2596	,4687
573	Equ. Pict.	7	7	10 53,84	0,618	,8607	9,1437	9,7910	,8044
574	—— ——	7	3	10 56,66	1,023	,7673	9,0857	0,0099	,6902
575	Can. Maj.	6.7	3	11 48,30	2,268	,6070	8,8900	0,3556	,3182
576	Columbæ.	7	3	13 16,04	1,995	—7,6969	+8,9316	+0,2999	+7,4942
577	Equ. Pict.	9	4	14 1,38	0,835	,8996	9,1132	9,9217	,8334
578	—— ——	8	5	14 2,76	1,138	,8569	9,0683	0,0561	,7721
579	—— ——	—	—	14	0,838	,9013	9,1127	9,9232	,8349
580	—— ——	7	4	14 6,02	0,835	,9038	9,1131	9,9217	,8375
581	Argus.	6.7	6	14 20,48	1,320	—7,8370	+9,0403	+0,1206	+7,7374
582	———	7	3	14 52,52	1,462	,8322	9,0176	0,1649	,7184
583	———	6	3	15 53,75	1,553	,8458	9,0030	0,1912	,7214
584	———	8.9	4	16 31,46	1,750	,8316	8,9709	0,2430	,6787
585	Can. Maj.	7	3	17 15,52	2,245	,7707	8,8929	0,3512	,4914

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
541	60 6	— 0,099	+0,0322	+7,6321	—8,9961	—0,0000	1141	—	—	—
542	54 22 25,23	0,105	0,0278	,6290	9,0209	,0000	1140	— 3,32	—	— 3,07
543	45 47 52,21	0,151	0,0082	,7341	9,1806	,0000	1143	— 3,35	— 3,39	— 3,28
544	59 48	0,152	0,0342	,8154	9,1806	,0000	1146	—	—	—
545	54 23 40,67	0,181	0,0278	,8652	9,2570	,0000	1148	— 2,90	—	— 2,44
546	46 11 8,04	0,227	+0,0090	+7,9130	—9,3567	—0,0000	1151	— 2,84	—	— 2,04
547	60 35 20,05	0,233	0,0360	8,0059	,3677	0,0000	1155	— 1,61	—	+25,66
548	52 18 15,50	0,216	0,0237	7,9853	,3889	0,0000	1152	— 1,37	—	— 2,89
549	44 27 25,18	0,291	0,0043	8,0081	,4646	9,9999	1157	— 3,28	—	+ 7,92
550	32 16	0,379	9,9547	8,0040	,5785	9,9999	1160	—	—	—
551	61 43 45,33	0,567	+0,0358	+8,2079	—9,5650	—9,9999	1162	— 2,39	—	+ 8,69
552	41 57 11,12	0,408	9,9961	8,1339	,6107	,9999	1164	—	—	+ 2,93
553	54 24 57,51	0,408	0,0273	8,2190	,6107	,9999	1168	— 7,84	—	— 0,43
554	26 27 4,74	0,431	9,9206	7,9817	,6348	,9999	1163	—	— 2,34	+ 0,89
555	34 47 17,20	0,431	9,9666	8,0892	,6348	,9999	1167	— 0,10	—	— 0,85
556	53 15 35,25	0,425	+0,0253	+8,2309	—9,6289	—9,9999	1169	— 2,02	—	+ 4,82
557	33 50 15,12	0,490	9,9624	,1336	,6899	,9999	1170	— 0,06	—	— 1,36
558	32 6	0,536	9,9538	,1531	,7294	,9998	1171	—	—	—
559	52 46 4,60	0,577	0,0249	,3603	,7612	,9998	1175	— 2,24	—	+ 5,26
560	36 31 32,25	0,618	9,9750	,2637	,7909	,9998	1176	— 2,05	—	+ 5,45
561	54 56 8,37	0,635	+0,0282	+8,4141	—9,8030	—9,9998	1177	— 2,74	— 3,07	— 2,29
562	42 58 0,28	0,677	9,9991	,3616	,8300	,9997	1178	— 3,31	—	+ 4,59
563	59 46 4,87	0,770	0,0338	,5207	,8861	,9997	1180	+ 2,14	—	— 2,82
564	61 27 43,54	0,815	0,0354	,5535	,9116	,9996	1182	+ 0,32	—	+ 2,49
565	59 1 9,56	0,816	0,0342	,5473	,9116	,9996	1181	— 4,66	—	—35,79
566	43 11 29,69	0,862	+0,0000	+8,4691	—9,9358	—9,9996	1184	— 1,81	—	— 3,34
567	29 44 21,19	0,874	9,9415	,3353	,9416	,9996	1183	+ 0,85	—	+ 1,37
568	51 37 10,88	0,880	0,0220	,5368	,9445	,9996	1186	— 2,65	—	+ 0,94
569	60 12 49,51	0,903	0,0342	,5924	,9558	,9996	1189	+ 0,88	—	+ 5,31
570	51 32 18,67	0,921	0,0220	,5561	,9641	,9995	1188	— 4,06	—	+16,40
571	60 11 27,74	0,933	+0,0346	+8,6061	—9,9696	—9,9995	1192	— 4,66	—	+ 7,25
572	43 7 34,78	0,944	0,0000	,5079	9,9750	,9995	1190	— 1,48	—	+12,81
573	61 25 41,04	1,043	0,0350	,6600	0,0183	,9994	1200	+58,73	+56,23	+11,18
574	56 52 10,80	0,961	0,0306	,6040	9,9830	,9995	1193	— 3,00	— 3,36	— 0,29
575	30 57 4,80	1,043	9,9474	,4276	0,0183	,9994	1198	— 2,32	—	— 8,46
576	38 49 53,59	1,165	+9,9279	+8,4718	—9,0664	—9,9993	1203	— 2,21	—	+ 2,73
577	59 9 3,19	1,213	0,0330	,7194	,0876	,9992	1210	— 4,89	—	— 9,51
578	55 21 19,66	1,229	0,0282	,7029	,0897	,9992	1208	— 3,33	—	—13,01
579	59 6	1,229	0,0330	,7213	,0897	,9992	1211	—	—	—
580	59 8 23,38	1,235	0,0330	,7235	,0917	,9992	1212	— 1,27	—	+ 0,88
581	52 40 12,05	1,253	+0,0237	+8,6963	—9,0978	—9,9991	1213	— 3,77	—	— 0,74
582	50 17 42,29	1,305	0,0191	,6998	,1156	,9991	1215	— 3,95	— 3,59	+ 3,39
583	48 39 29,02	1,395	0,0154	,7173	,1437	,9989	1219	— 3,64	— 3,17	— 0,20
584	44 41 10,25	1,450	0,0039	,7066	,1615	,9989	1222	— 3,61	—	— 7,94
585	31 42 39,96	1,503	9,9508	,5973	,1785	,9988	1225	—	—	+ 9,10

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s.				
586	Argus.	7	3	6 17 53,12	+1,327	—7,9333	+9,0390	+0,1229	+7,8333
587	———	6	4	18 14,18	2,067	7,8254	8,9198	0,3153	7,6042
588	Equ. Pict.	8	3	18 18,49	0,639	8,0446	9,1406	9,8055	7,9875
589	Argus.	8	3	18 48,95	1,966	7,8553	8,9357	0,2936	7,6600
590	———	7	2	20 0,54	1,358	7,9773	9,0339	0,1329	7,8744
591	Argus.	—	—	20	1,327	—7,9822	+9,0388	+0,1229	+7,8822
592	Can. Maj.	7	3	20 45,02	2,426	7,8280	8,8675	0,3849	7,4659
593	Argus.	7.8	4	21 16,94	1,321	8,0099	9,0397	0,1209	7,9106
594	Equ. Pict.	6	3	21 22,65	0,900	8,0750	9,1035	9,9542	8,0056
595	—— ——	6	3	22 15,05	0,746	8,1157	9,1254	9,8727	8,0541
596	Argus.	7.8	4	22 33,95	1,331	—8,0333	+9,0380	+0,1248	+7,9332
597	———	8.9	3	23 41,36	1,314	8,0573	9,0406	0,1186	7,9588
598	———	8.9	3	23 51,15	1,176	8,0800	9,0621	0,0704	7,9930
599	Columbæ.	7.8	3	23 55,58	1,942	7,9618	8,9390	0,2882	7,7723
600	———	7	3	24 1,32	1,942	7,9631	8,9391	0,2882	7,7737
601	Argus.	6	3	24 32,88	0,951	—8,1284	+9,0960	+9,9782	+8,0564
602	Columbæ.	6	4	25 29,84	1,940	7,9902	8,9392	0,2878	7,8014
603	Can. Maj.	6	3	25 31,54	2,133	7,9596	8,9086	0,3290	7,7198
604	Argus.	9	3	25 47,82	1,113	8,1248	9,0715	0,0465	8,0424
605	———	6	3	26 42,15	1,044	8,1508	9,0819	0,0187	8,0731
606	Argus.	6	3	27 34,40	1,388	—8,1125	+9,0287	+0,1424	+8,0074
607	Equ. Pict.	—	—	27	0,891	,1853	9,1046	9,9499	8,1167
608	Argus.	7	3	27 41,75	1,734	,0598	8,9727	0,2390	7,9108
609	Equ. Pict.	6.7	3	27 44,54	0,818	,2000	9,1150	9,9127	8,1352
610	Argus.	6	3	27 47,67	2,012	,0153	8,9272	0,3036	7,8096
611	Argus.	9	3	28 54,82	1,468	—8,1191	+9,0155	+0,1667	+8,0055
612	———	7	3	29 9,88	1,875	,0577	8,9492	0,2730	7,8831
613	———	6.7	3	29 17,59	2,143	,0182	8,9065	0,3310	7,7761
614	———	8	3	29 30,45	1,138	,1791	9,0675	0,0561	8,0953
615	Equ. Pict.	5.6	3	29 35,37	0,601	,2589	9,1454	9,7789	8,2039
616	μ Equ. Pict.	6	7	29 35,72	0,893	—8,2176	+9,1041	+9,9508	+8,1490
617	Argus.	8	3	29 49,22	1,359	,1504	9,0330	0,1332	8,0483
618	Equ. Pict.	8	3	29 56,71	0,556	,2711	9,1517	9,7451	8,2179
619	Argus.	7	3	30 28,52	1,635	,1155	8,9883	0,2135	7,9814
620	Equ. Pict.	6.7	3	31 9,84	0,608	,2809	9,1442	9,7839	8,2257
621	Argus.	5.6	3	31 27,02	1,321	—8,1802	+9,0388	+0,1209	+8,0816
622	———	6.7	3	31 37,22	1,482	,1564	9,0132	0,1708	8,0417
623	———	7	9	32 28,49	1,821	,1127	8,9576	0,2603	7,9491
624	———	7	3	32 29,77	1,480	,1666	9,0133	0,1703	8,0521
625	———	—	—	32	2,037	,0812	8,9224	0,3090	7,8699
626	Argus.	8	3	32 47,33	1,164	—8,2227	+9,0632	+0,0659	+8,1373
627	Equ. Pict.	7	2	32 50,00	0,643	,2985	9,1389	9,8082	8,2418
628	Argus.	7.8	3	32 56,47	1,100	,2343	9,0729	0,0414	8,1534
629	———	—	—	33	1,822	,1266	8,9573	0,2605	7,9630
630	———	7	3	33 29,40	1,363	,2012	9,0320	0,1345	8,0990

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″	*a′*	*b′*	*c′*	*d′*		s.	s.	″
586	52 35 7,99	− 1,567	+0,0237	+8,7930	−0,1949	−9,9987	1226	− 3,33	—	− 1,73
587	36 55 57,85	1,607	9,9759	,6830	,2061	,9986	1227	—	—	+ 7,30
588	61 15 28,95	1,601	0,0346	,8455	,2045	,9986	1231	− 1,16	—	− 0,49
589	39 37 13,86	1,660	9,9863	,7227	,2200	,9985	1232	—	—	+ 3,10
590	52 5 43,83	1,752	0,0224	,8389	,2437	,9983	1238	− 3,11	—	+ 3,40
591	52 34	1,752	+0,0232	+8,8418	−0,2437	−9,9983	1239	—	—	—
592	25 45 13,46	1,822	9,9159	,5966	,2606	,9982	1242	− 2,14	—	+ 0,32
593	52 42 58,25	1,863	0,0232	,8690	,2702	,9981	1244	− 2,78	—	+ 4,98
594	58 27 24,08	1,869	0,0298	,9002	,2715	,9981	1246	− 2,34	—	+ 0,90
595	60 11 35,25	1,950	0,0326	,9266	,2901	,9979	1248	—	—	+ 1,95
596	52 33 35,13	1,973	+0,0228	+8,8931	−0,2951	−9,9979	1250	− 3,57	—	+ 3,03
597	52 50 23,04	2,072	0,0232	,9159	,3163	,9977	1253	− 3,59	—	+10,81
598	54 56 12,44	2,077	0,0269	,9285	,3175	,9976	1255	− 7,57	—	− 0,56
599	40 16 15,37	2,101	9,9881	,8309	,3223	,9976	1254	− 1,80	—	− 3,08
600	40 16 39,83	2,106	9,9886	,8322	,3235	,9976	1256	− 2,03	—	− 2,74
601	57 54 2,83	2,146	+0,0306	+8,9579	−0,3318	−9,9975	1260	− 0,97	− 3,07	+ 1,58
602	40 20 24,10	2,240	9,9886	,8595	,3502	,9973	1263	− 4,58	− 4,69	− 0,53
603	35 8 59,54	2,240	9,9671	,8085	,3502	,9973	1264	− 2,24	—	− 1,64
604	55 48 43,68	2,251	0,0278	,9681	,3524	,9972	1266	− 3,59	—	+ 1,56
605	56 44 40,91	2,332	0,0286	,9882	,3678	,9970	1273	− 2,39	− 3,12	+ 1,41
606	51 42 57,58	2,413	+0,0204	+8,9756	−0,3826	−9,9968	1276	− 1,80	− 2,82	+ 3,22
607	58 38	2,396	0,0310	9,0090	,3795	,9969	1277	—	—	—
608	45 11 36,64	2,431	0,0043	8,9348	,3858	,9968	1284	—	—	+ 4,55
609	59 28 43,40	2,419	0,0314	9,0170	,3837	,9968	1279	− 1,45	—	− 2,14
610	38 30 19,61	2,437	9,9809	8,8792	,3868	,9968	1278	− 1,84	− 2,47	+ 1,19
611	50 21 15,86	2,523	+0,0174	+8,9865	−0,4020	−9,9965	1286	− 5,59	—	+ 3,31
612	41 58 26,07	2,552	9,9939	8,9304	,4069	,9964	1288	− 2,59	—	+ 2,93
613	34 55 32,94	2,570	9,9657	8,8659	,4099	,9964	1287	—	—	+ 2,67
614	55 31 30,28	2,570	0,0269	9,0241	,4099	,9964	1290	− 5,09	—	− 4,66
615	61 45 40,04	2,522	0,0330	9,0549	,4118	,9964	1293	− 2,55	− 0,21	+ 3,78
616	58 38 0,03	2,570	+0,0306	+9,0414	−0,4118	−9,9964	1292	− 3,03	− 2,85	+ 5,70
617	52 12 31,11	2,604	,0212	9,0116	,4157	,9963	1294	− 3,47	—	− 4,01
618	62 13 11,25	2,616	,0330	9,0625	,4176	,9963	1295	− 0,93	—	+ 1,44
619	47 14 54,99	2,662	,0099	8,9892	,4252	,9961	1297	− 2,87	—	+ 6,55
620	61 42 16,26	2,720	,0326	9,0774	,4345	,9960	1301	+ 0,10	− 2,07	+ 8,02
621	52 50 47,33	2,749	+0,0216	+9,0387	−0,4391	−9,9959	1302	− 1,60	—	+ 4,17
622	50 10 3,77	2,760	0,0166	9,0243	,4410	,9958	1305	− 2,15	—	− 4,59
623	43 18 55,66	2,835	9,9978	8,9870	,4526	,9956	1307	− 3,33	—	− 7,14
624	50 11 47,97	2,824	0,0166	9,0344	,4508	,9956	1309	− 2,72	—	+ 2,24
625	37 56	2,859	9,9768	8,9429	,4561	,9955	1308	—	—	—
626	55 12 54,72	2,864	+0,0257	+9,0696	−0,4570	−9,9955	1312	− 2,80	—	+ 0,11
627	61 22 0,01	2,864	0,0326	,0984	,4570	,9955	1299	− 0,54	—	+ 5,12
628	56 5 43,14	2,876	0,0265	,0759	,4587	,9955	1313	− 2,71	—	− 2,70
629	43 18 58,44	2,928	9,9978	,0009	,4665	,9953	1315	—	—	− 2,80
630	52 12 34,73	2,928	0,0204	,0624	,4665	,9953	1318	—	—	+ 0,20

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s.				
631	Argus	8	3	6 33 34,78	+ 1,526	—8,1759	+9,0058	+0,1835	+8,0563
632	——	7	3	33 45,85	1,000	,2599	9,0880	,0000	8,1855
633	——	8	2	34 21,09	1,597	,1747	8,9942	,2033	8,0463
634	——	7	3	34 29,68	1,166	,2441	9,0627	,0667	8,1586
635	——	6.7	4	34 34,55	1,824	,1399	8,9568	,2610	7,9759
636	Argus	7	3	34 50,70	1,328	—8,2230	+9,0374	+0,1232	+8,1242
637	——	7	2	34 54,80	1,825	,1439	8,9566	,2613	7,9798
638	——	6	3	36 1,70	1,953	,1368	8,9355	,2907	7,9467
639	——	7.8	3	36 5,15	1,955	,1373	8,9352	,2911	7,9467
640	——	7	3	36 15,66	1,298	,2458	9,0420	,1133	8,1498
641	Equ. Pict.	6.7	3	36 17,33	0,650	—8,3507	+9,1381	+9,8129	+8,2942
642	Argus	6.7	4	36 26,69	1,629	,1948	8,9885	0,2119	8,0623
643	——	7	2	36 28,91	1,627	,1952	8,9890	0,2114	8,0630
644	——	8	3	36 34,78	0,899	,3098	9,1027	9,9538	8,2414
645	——	8	4	37 38,16	2,007	,1477	8,9265	0,3025	7,9450
646	Argus	7.8	4	38 2,03	0,877	—8,3302	+9,1058	+9,9430	+8,2632
647	——	7	3	38 51,72	1,482	,2466	9,0123	0,1708	8,1328
648	——	7.8	4	39 43,77	1,191	,3025	9,0584	0,0759	8,2157
649	——	7.8	3	39 50,46	1,127	,3131	9,0682	0,0519	8,2310
650	——	7.8	3	39 54,75	2,088	,1601	8,9131	0,3197	7,9364
651	Equ. Pict.	8	3	40 36,08	0,687	—8,3855	+9,1326	+9,8370	+8,3277
652	Argus	7	3	40 44,92	1,989	,1847	8,9288	0,2986	7,9871
653	——	6.7	4	40 45,68	1,655	,2395	8,9837	0,2188	8,1041
654	——	7.8	3	40 45,87	1,673	,2366	8,9808	0,2235	8,0986
655	Equ. Pict.	7.8	3	40 47,85	0,636	,3948	9,1397	9,8034	8,3391
656	Argus	6.7	4	40 55,16	1,220	—8,3102	+9,0537	+0,0864	+8,2213
657	——	6.7	3	40 57,86	1,223	,3106	9,0533	,0878	8,2215
658	——	7.8	3	41 5,91	2,097	,1715	8,9112	,3217	7,9452
659	Can. Maj.	8	5	41 10,12	2,357	,1334	8,8725	,3724	7,8106
660	Argus	6	3	42 14,55	1,372	,3010	9,0295	,1373	8,1990
661	Argus	6.7	2	42 24,04	1,629	—8,2606	+8,9877	+0,2119	+8,1290
662	——	8	3	42 42,84	1,986	,2059	8,9287	0,2980	,0094
663	Equi. Pict.	6.7	3	42 54,16	0,693	,4093	9,1316	9,8407	,3514
664	Argus	7	3	43 16,13	1,654	,2653	8,9834	0,2185	,1303
665	——	7	5	43 26,62	1,226	,3357	9,0524	0,0885	,2465
666	Argus	7	3	43 27,34	1,817	—8,2403	+8,9564	+0,2593	+8,0792
667	Can. Maj.	7	3	43 42,43	2,395	,1540	8,8667	,3793	7,8135
668	Argus	7	3	43 52,20	1,817	,2449	8,9563	,2593	8,0838
669	*o* ——	6	3	44 11,90	1,170	,3525	9,0612	,0682	8,2678
670	——	8	4	44 24,45	1,224	,3460	9,0526	,0878	8,2571
671	*x* Argus	6	4	45 24,21	1,690	—8,2804	+8,9771	+0,2279	+8,1406
672	——	8.9	4	45 30,29	1,027	,3868	9,0829	0,0116	,3119
673	——	7.8	3	45 34,85	1,013	,3894	9,0848	0,0056	,3153
674	Argus	7	3	46 3,79	1,888	,2545	8,9441	0,2760	,0801
675	——	7.8	3	46 4,74	0,950	,4040	9,0943	9,9777	,3338

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
631	49 23 28,91	— 2,934	+9,9908	+9,0458	—0,4674	—9,9953	1317	— 2,72	——	— 1,71
632	57 24 19,83	2,945	0,0282	,0928	,4691	,9953	1319	— 2,03	——	+ 2,82
633	48 4 31,81	3,003	0,0111	,0472	,4775	,9951	1320	— 1,81	——	+ 5,01
634	55 12 21,41	3,008	0,0249	,0909	,4783	,9950	1324	— 1,88	——	— 2,65
635	43 17 0,29	3,020	9,9974	,0141	,4800	,9950	1323	— 2,74	——	+ 0,34
636	52 47 27,79	3,037	+0,0208	+9,0817	—0,4825	—9,9949	1326	— 3,34	——	+ 5,86
637	43 15 30,81	3,049	9,9969	,0181	,4841	,9949	1325	— 2,97	——	— 1,53
638	40 12 5,28	3,147	9,9859	,0058	,4978	,9946	1328	— 2,60	——	— 6,97
639	40 8 36,91	3,152	9,9863	,0061	,4986	,9946	1329	— 4,07	——	+ 5,64
640	53 18 12,10	3,164	0,0216	,1023	,5002	,9945	1330	— 2,32	——	+ 1,53
641	61 23 32,72	3,227	+0,0314	+9,1504	—0,5088	—9,9943	1333	— 2,63	——	+ 3,64
642	47 28 20,87	3,181	0,0090	,0683	,5026	,9945	1331	— 3,09	——	— 1,68
643	47 31 26,19	3,181	0,0090	,0685	,5026	,9945	1332	— 3,34	——	— 0,46
644	58 41 18,96	3,187	0,0286	,1331	,5034	,9944	1334	— 1,07	——	+ 2,06
645	38 48 29,49	3,291	9,9805	,0126	,5173	,9941	1336	— 0,02	——	+ 7,44
646	58 58 17,76	3,313	+0,0290	+9,1513	—0,5203	—9,9940	1339	— 2,88	——	— 6,57
647	50 17 42,62	3,388	0,0149	,1142	,5300	,9937	1340	— 1,46	——	— 2,37
648	54 57 25,68	3,463	0,0232	,1507	,5394	,9934	1343	— 0,88	——	— 6,91
649	55 51 25,52	3,469	0,0245	,1561	,5401	,9934	1344	— 1,33	——	— 0,41
650	36 41 3,05	3,486	9,9713	,0166	,5423	,9933	1342	— 0,13	——	— 5,99
651	61 4 16,57	3,531	+0,0302	+9,1882	—0,5480	—9,9931	1350	— 3,71	——	+ 3,32
652	39 22 21,59	3,555	9,9818	,0513	,5508	,9931	1346	— 1,12	——	— 0,49
653	47 3 22,38	3,555	0,0065	,1135	,5508	,9931	1349	— 2,76	——	+ 6,32
654	46 41 12,33	3,555	0 0060	,1109	,5508	,9931	1348	— 3,16	——	+ 7,26
655	61 35 41,83	3,549	0,0302	,1925	,5501	,9931	1355	— 2,38	——	+ 0,37
656	54 34 2,58	3,560	+0,0228	+9,1606	—0,5515	—9,9930	1352	— 3,78	——	— 2,55
657	54 31 53,09	3,566	0,0224	9,1611	,5522	,9930	1354	— 3,92	——	+ 0,46
658	36 25 37,32	3,589	9,9703	9,0268	,5550	,9929	1351	— 3,14	——	— 3,80
659	28 23 12,38	3,595	9,9289	8,9310	,5557	,9929	1353	— 0,82	——	+ 8,44
660	52 14 23,71	3,681	0,0183	9,1620	,5659	,9925	1360	— 2,01	——	—11,94
661	47 37 55,47	3,692	+0,0077	+9,1338	—0,5673	—9,9925	1361	— 1,05	——	+ 7,18
662	39 30 52,48	3,727	9,9823	,0729	,5713	,9924	1362	— 4,58	——	—64,46
663	61 3 18,62	3,732	0,0290	,2122	,5722	,9923	1365	— 2,18	——	+ 2,38
664	47 7 26,33	3,767	0,0065	,1391	,5760	,9922	1366	— 3,41	——	+ 1,58
665	54 31 19,74	3,778	0,0220	,1862	,5773	,9921	1370	— 2,28	——	— 3,61
666	43 37 27,99	3,784	+9,9961	+9,1149	—0,5779	—9,9921	1368	— 1,70	—3,17	+ 2,45
667	27 9 11,82	3,813	9,9212	8,9388	,5812	,9920	1369	— 1,85		— 0,64
668	43 37 19,31	3,824	9,9961	9,1195	,5825	,9919	1372	— 1,05	—3,15	+ 6,57
669	55 21 54,82	3,847	0,0224	9,1985	,5851	,9918	1376	— 2,73	—4,64	— 3,65
670	54 34 29,16	3,864	0,0216	9,1963	,5870	,9918	1377	— 2,55	——	+ 1,31
671	46 26 49,25	3,950	+0,0043	+9,1549	—0,5966	—9,9914	1379	— 1,93	——	+10,56
672	57 18 9,38	3,956	0,0249	,2204	,5972	,9914	1380	— 0,96	——	+ 4,86
673	57 28 35,01	3,961	0,0249	,2219	,5978	,9913	1381	— 2,74	——	+ 1,49
674	42 1 1,90	4,013	9,9903	,1272	,6034	,9911	1384	— 2,31	——	+ 0,49
675	58 17 2,76	4,007	0,0257	,2306	,6028	,9911	1386	— 2,34	——	+ 0,50

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
676	Argus	8	3	6 46 10,39	+ 2,044	—8,2297	+8,9187	+0,3105	+8,0194
677	*B* Argus	5	3	46 22,40	1,303	,3530	9,0400	0,1149	,2579
678	*a* Equ. Pict.	4	4	46 32,59	0,629	,4538	9,1402	9,7986	,3989
679	Argus	7.8	4	46 59,04	1,148	,3828	9,0641	0,0599	,3000
680	——	7	3	47 17,77	1,558	,3205	8,9986	0,1926	,1990
681	Argus	7	3	47 39,20	1,878	—8,2705	+8,9455	+0,2737	+8,0987
682	——	7.8	3	48 0,02	1,874	,2748	8,9460	0,2728	,1038
683	——	—	—	48	2,071	,2457	8,9139	0,3162	,0288
684	——	7.8	4	48 59,57	0,968	,4286	9,0913	9,9859	,3576
685	——	6.7	3	49 23,18	1,278	,3838	9,0435	0,1065	,2912
686	Argus	7	3	49 41,15	2,035	—8,2632	+8,9192	+0,3085	+8,0561
687	——	7	3	49 43,85	2,201	,2331	8,8885	0,3426	7,9808
688	——	6.7	3	50 4,92	1,489	,3563	9,0093	0,1729	8,2432
689	——	6.7	3	50 25,54	0,885	,4533	9,1033	9,9469	8,3870
690	——	7.8	3	50 48,89	2,075	,2666	8,9126	0,3170	8,0492
691	Argus	7	3	51 1,13	2,150	—8,2567	+8,9004	+0,3324	+8,0168
692	——	7	3	51 36,06	2,098	,2696	8,9086	0,3218	,0459
693	——	9.10	2	51 37,80	0,825	,4725	9,1121	9,9164	,4095
694	——	8	3	51 39,81	1,205	,4152	9,0547	0,0810	,3288
695	——	8	4	51 40,38	0,841	,4701	9,1097	9,9248	,4063
696	Argus	6	4	52 0,72	1,596	—8,3565	+8,9915	+0,2030	+8,2311
697	——	7	3	52 38,50	1,830	,3220	8,9523	,2624	,1605
698	——	6.7	3	52 50,88	1,472	,3830	9,0116	,1679	,2724
699	——	8	3	52 51,23	1,487	,3805	9,0092	,1723	,2683
700	——	7.8	4	53 0,77	1,083	,4458	9,0733	,0346	,3683
701	Argus	7.8	3	53 50,95	1,224	—8,4306	+9,0514	+0,0878	+8,3431
702	——	7	3	54 21,56	1,150	,4466	9,0629	0,0607	,3646
703	——	6.7	3	54 38,23	1,948	,3193	8,9323	0,2896	,1345
704	——	9	6	55 25,13	0,761	,5127	9,1208	9,8814	,4530
705	——	6.7	3	55 32,91	1,180	,4516	9,0581	0,0719	,3677
706	Argus	6.7	3	55 36,46	1,132	—8,4595	+9,0655	+0,0538	+8,3790
707	——	8	4	56 34,24	0,739	,5169	9,1239	9,8686	,4582
708	——	6.7	5	55 50,43	1,957	,3276	8,9303	0,2916	,1409
709	——	7	3	56 10,52	1,581	,3919	8,9930	0,1989	,2692
710	——	6.7	4	56 34,01	1,954	,3328	8,9306	0,2909	,1469
711	Argus	8	6	56 34,59	0,742	—8,5245	+9,1234	+9,8692	+8,4658
712	——	7	3	57 6,00	0,767	,5251	9,1197	9,8848	,4653
713	——	6.7	3	57 16,29	1,512	,4118	9,0044	0,1795	,2976
714	——	7	4	57 18,72	1,885	,3499	8,9419	0,2753	,1789
715	——	7	3	58 4,47	1,516	,4172	9,0035	0,1807	,3027
716	Argus	8	4	58 15,07	0,769	—8,5341	+9,1194	+9,8859	+8,4745
717	——	6.7	4	58 36,21	0,939	,5122	,0943	9,9727	,4440
718	——	8	3	58 40,41	1,300	,4564	,0386	0,1139	,3634
719	——	7.8	4	58 44,67	0,743	,5406	,1228	9,8710	,4821
720	——	7.8	4	58 59,06	1,208	,4730	,0531	0,0821	,3876

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
676	38 1 33,29	— 4,018	+9,9759	+9,0918	—0,6040	—9,9911	1385	— 1,28	—	+ 2,83
677	53 26 11,83	4,036	0,0191	,2089	,6059	,9910	1388	— 1,34	—	+ 2,01
678	61 46 11,22	4,041	0,0286	,2496	,6065	,9910	1389	— 1,17	—	+ 8,09
679	55 42 58,86	4,087	0,0224	,2267	,6114	,9908	1391	— 1,86	—	+ 8,76
680	49 6 9,82	4,115	0,0103	,1910	,6144	,9906	1394	— 0,57	—	+ 1,34
681	42 18 37,62	4,144	+9,9912	+9,1436	—0,6174	—9,9905	1395	— 2,04	—	— 0,48
682	42 25 57,69	4,178	9,9912	,1481	,6210	,9903	1397	— 1,64	—	+ 2,50
683	37 21	4,207	9,9722	,1051	,6239	,9902	1398	—	—	—
684	58 8 1,22	4,258	0,0249	,2563	,6292	,9900	1399	— 2,83	—	+ 6,77
685	53 53 33,87	4,286	0,0191	,2376	,6321	,9898	1401	— 3,84	—	+ 5,37
686	38 21 12,04	4,321	+9,9759	+9,1265	—0,6355	—9,9897	1402	— 1,65	—	+ 3,31
687	33 36 11,22	4,326	9,9552	,0774	,6361	,9896	1403	— 1,15	—	+ 3,96
688	50 25 16,58	4,349	0,0120	,2235	,6384	,9895	1406	— 2,30	— 3,00	+ 3,74
689	59 8 36,28	4,377	0,0253	,2731	,6412	,9894	1408	— 2,68	—	+ 0,58
690	37 18 58,35	4,417	9,9717	,1259	,6452	,9892	1409	— 2,36	—	+ 4,51
691	35 8 6,66	4,440	+9,9624	+9,1055	—0,6474	—9,9891	1411	— 2,18	— 2,58	— 3,66
692	36 40 39,45	4,485	9,9685	,1261	,6518	,9888	1413	— 1,44	— 2,84	+ 1,61
693	59 51 23,88	4,480	0,0257	,2863	,6513	,9889	1415	— 1,33	—	— 3,15
694	55 2 51,75	4,480	0,0204	,2630	,6513	,9889	1414	— 2,91	—	+ 3,34
695	59 40 42,88	4,480	0,0253	,2855	,6513	,9889	1417	— 1,67	—	— 7,30
696	48 30 43,61	4,514	+0,0073	+9,2283	—0,6556	—9,9887	1418	— 2,84	— 2,31	+ 5,85
697	43 34 30,77	4,525	9,9934	,1965	,6600	,9886	1422	— 2,95	— 2,66	+ 2,46
698	50 48 17,45	4,588	0,0120	,2490	,6616	,9883	1424	— 1,00	—	+ 1,95
699	50 32 45 27	4,588	0,0120	,2474	,6616	,9883	1423	— 2,12	—	— 3,60
700	56 45 35,94	4,599	0,0220	,2832	,6627	,9882	1425	— 3,31	—	+ 6,77
701	54 50 5,56	4,667	+0,0191	+9,2796	—0,6690	—9,9879	1429	— 2,54	—	+ 1,12
702	55 53 16,08	4,712	0,0204	,2894	,6732	,9876	1433	— 3,21	—	+ 0,14
703	40 47 4,44	4,746	9,9836	,1896	,6764	,9875	1434	— 2,26	—	+ 1,07
704	60 38 7,53	4,797	0,0249	,3194	,6810	,9872	1438	— 3,50	—	+10,72
705	55 30 22,10	4,814	0,0195	,2967	,6825	,9871	1439	— 1,75	—	+ 0,57
706	56 10 22,96	4,820	+0,0199	+9,3006	—0,6830	—9,9871	1440	— 2,09	—	+ 4,07
707	60 52 36,94	4,809	0,0249	,3214	,6820	,9871	1441	—63,40	—	— 1,38
708	40 34 13,76	4,854	9,9827	,1974	,6861	,9869	1443	+ 3,94	—	+ 4,88
709	48 54 30,80	4,871	0,0069	,2629	,6876	,9868	1446	— 1,92	—	+ 7,79
710	40 40 12,91	4,905	9,9827	,2029	,6906	,9866	1448	— 3,70	—	— 0,90
711	60 52 38,74	4,888	+0,0245	+9,3290	—0,6891	—9,9866	1450	— 6,94	—	+ 0,40
712	60 37 7,45	4,939	0,0245	,3320	,6936	,9864	1455	— 4,47	—	+ 3,11
713	50 14 24,01	4,961	0,0094	,2795	,6956	,9863	1456	— 2,90	—	— 5,52
714	42 24 9,91	4,967	9,9881	,2232	,6961	,9862	1454	— 1,47	—	+ 6,11
715	50 11 57,84	5,029	0,0094	,2851	,7015	,9859	1458	— 2,03	—	— 4,41
716	60 38 8,19	5,040	+0,0241	+9,3409	—0,7025	—9,9858	1459	— 2,68	—	+ 1,76
717	58 42 54,44	5,074	,0220	,3353	,7054	,9856	1461	— 1,97	—	+10,95
718	53 49 45,08	5,074	,0158	,3105	,7054	,9856	1460	— 4,37	—	+ 4,11
719	60 54 47,47	5,074	,0237	,3449	,7054	,9856	1463	— 4,51	—	— 2,81
720	55 12 34,48	5,097	,0174	,3199	,7073	,9855	1466	— 6,43	—	— 9,24

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
721	H Argus	6	4	6 59 44,14	+1,564	—8,4218	+8,9952	+0,1942	+8,3019
722	———	6.7	3	7 0 17,18	1,970	,3581	8,9271	0,2945	,1699
723	———	8	3	0 21,29	1,176	,4890	9,0579	0,0704	,4061
724	———	6.7	3	0 32,57	2,055	,3459	8,9129	0,3128	,1367
725	———	9.10	5	0 46,19	0,768	,5542	9,1206	9,8797	,4953
726	Argus	6	3	0 47,45	0,927	—8,5300	+9,0960	+9,9671	+8,4629
727	———	6	3	1 18,34	1,120	,5045	9,0665	0,0492	,4257
728	———	7	4	1 24,38	1,851	,3861	8,9465	0,2674	,2228
729	———	7.8	3	1 55,31	1,978	,3681	8,9255	0,2962	,1789
730	———	8	2	2 1,32	1,304	,4813	9,0372	0,1153	,3886
731	Argus	8.9	3	2 38,88	0,788	—8,5634	+9,1161	+9,8965	+8,5034
732	———	7.8	3	3 5,92	0,850	,5582	,1069	9,9294	,4953
733	———	—	—	3	0,400	,6204	,1695	9,6021	,5750
734	———	7.8	3	3 9,37	0,749	,5738	,1216	9,9042	,5156
735	P ———	7	3	3 23,77	1,438	,4683	,0152	0,1578	,3633
736	Argus	8	4	3 31,56	0,733	—8,5765	+9,1238	+9,8651	+8,5190
737	———	7	3	3 40,74	1,425	,4728	9,0172	0,1538	,3691
738	———	7	3	4 15,70	0,867	,5642	9,1043	9,9380	,5006
739	———	6.7	3	4 53,90	0,893	,5645	9,1003	9,9508	,4996
740	———	8	3	5 0,57	1,988	,3882	8,9226	0,2984	,1973
741	Argus	6.7	3	5 12,10	1,088	—8,5387	+9,0708	+0,0366	+8,4627
742	———	6	3	5 53,91	2,312	,3426	8,8705	,3640	,0487
743	———	6.7	3	5 56,67	2,036	,3863	8,9142	,3088	,1837
744	———	7.8	3	6 8,35	1,162	,5321	9,0591	,0652	,4512
745	———	7.8	2	6 11,39	1,162	,5321	9,0591	,0652	,4512
746	Argus	8.9	4	6 43,87	1,163	—8,5355	+9,0588	+0,0656	+8,4546
747	———	6	3	6 45,01	2,129	,3764	8,8988	0,3282	,1485
748	———	7.8	3	6 56,99	0,822	,5886	9,1106	9,9149	,5276
749	———	6.7	3	7 10,08	1,218	,5299	9,0500	0,0856	,4450
750	———	6.7	3	7 11,76	0,840	,5872	9,1078	9,9243	,5253
751	I Argus	4.5	2	8 0,17	1,721	—8,4524	+8,9667	+0,2358	+8,3130
752	———	7	3	8 26,48	2,320	,3586	8,8683	0,3655	,0628
753	———	7	4	8 40,19	2,000	,4101	8,9194	0,3010	,2176
754	———	—	—	9	0,711	,6222	9,1266	9,8519	,5666
755	———	8	3	9 47,18	0,897	,5965	9,0991	9,9528	,5321
756	Argus	6.7	3	10 4,05	1,351	—8,5274	+9,0278	+0,1307	+8,4321
757	———	5.6	4	10 10,70	1,722	,4665	8,9660	0,2360	,3277
758	———	7.8	3	10 28,11	0,760	,6213	9,1190	9,8808	,5636
759	———	7	3	11 38,96	1,728	,4745	8,9645	0,2375	,3351
760	———	7	4	11 58,06	2,048	,4222	8,9100	0,3113	,2188
761	Argus	7	4	11 58,31	2,053	—8,4219	+8,9093	+0,3124	+8,2173
762	———	—	—	12	1,533	,5126	8,9974	0 1855	,3993
763	———	7	3	12 19,01	0,796	,6275	9,1136	9,9099	,5685
764	Can. Maj.	7	3	12 22,19	2,320	,3817	8,8665	0,3655	,0874
765	Argus	7	4	12 37,48	1,336	,5465	9,0300	0,1258	,4532

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″	*a′*	*b′*	*c′*	*d′*		s.	s.	″
721	49 21 8,35	—5,170	+0,0069	+9,2918	—0,7135	—9,9850	1467	— 2,90	—	+ 7,85
722	40 24 7,18	5,221	9,9805	,2276	,7177	,9847	1469	— 1,66	—	— 2,42
723	55 42 43,93	5,221	0,0179	,3329	,7177	,9847	1471	— 3,86	—	— 0,50
724	38 8 23,16	5,243	9,9717	,2085	,7196	,9846	1470	— 2,20	—	— 1,71
725	60 49 31,33	5,249	0,0228	,3593	,7201	,9846	1474	— 4,84	—	+ 11,50
726	58 56 25,81	5,254	+0,0216	+9,3514	—0,7205	—9,9845	1475	— 2,36	—	— 0,25
727	56 30 29,08	5,300	0,0183	,3435	,7242	,9843	1477	— 1,01	—	+ 5,92
728	43 21 55,65	5,316	9,9899	,2604	,7256	,9841	1476	— 3,56	—4,56	+ 8,42
729	40 17 26,10	5,350	9,9791	,2373	,7284	,9839	1482	+59,30	—	— 0,89
730	53 52 30,58	5,367	0,0145	,3351	,7297	,9838	1480	— 0,51	—	— 8,39
731	60 33 41,10	5,406	+0,0216	+9,3710	—0,7329	—9,9836	1481	— 7,38	—	+ 6,34
732	59 54 39,13	5,451	,0212	,3717	,7365	,9833	1485	— 3,46	—	— 5,45
733	64 14	5,445	,0232	,3887	,7360	,9833	1487	—	—	—
734	60 58 49,41	5,462	,0216	,3773	,7374	,9832	1490	— 3,86	—	+13,10
735	51 43 9,16	5,474	,0103	,3313	,7383	,9832	1488	— 3,16	—	+ 3,09
736	61 9 23,90	5,468	+0,0220	+9,3784	—0,7378	—9,9832	1491	—13,57	—	+ 8,41
737	51 57 16,29	5,501	0,0103	,3349	,7405	,9830	1492	— 2,19	—	+ 0,22
738	59 44 44,53	5,552	0,0208	,3790	,7444	,9827	1494	— 0,40	—	— 3,03
739	59 27 47,71	5,602	0,0199	,3816	,7484	,9823	1496	— 2,68	—	— 0,15
740	40 6 35,47	5,621	9,9777	,2569	,7497	,9822	1495	— 2,32	—	+ 2,23
741	57 4 36,20	5,647	+0,0174	+9,3739	—0,7518	—9,9820	1497	— 0,31	—	+ 1,35
742	30 33 29,61	5,698	9,9350	,1599	,7557	,9817	1498	— 1,49	—	— 7,53
743	38 50 25,84	5,698	9,9727	,2512	,7557	,9817	1499	— 3,30	—	+ 2,13
744	56 6 3,14	5,709	0,0166	,3737	,7565	,9816	1500	— 1,54	—	— 5,16
745	56 6 29,75	5,709	0,0162	,3737	,7565	,9816	1501	— 3,94	—	—64,64
746	56 6 36,61	5,754	+0,0158	+9,3771	—0,7599	—9,9813	1503	— 5,05	—	+22,06
747	36 16 40,90	5,765	9,9661	,2411	,7608	,9812	1502	— 1,56	—	+ 1,08
748	60 19 3,99	5,770	0,0199	,3983	,7612	,9812	1505	— 2,66	—	+ 3,95
749	55 19 27,77	5,793	0,0145	,3761	,7629	,9811	1507	— 2,19	—	— 1,09
750	60 7 18,27	5,787	0,0195	,3986	,7624	,9811	1508	— 4,39	—	+ 1,24
751	46 29 40,43	5,865	+9,9969	+9,3269	—0,7683	—9,9806	1512	— 2,49	— 0,34	+ 3,84
752	30 23 1,95	5,921	9,9330	,1746	,7724	,9802	1518	—	—	— 0,48
753	39 55 22,39	5,926	9,9759	,2783	,7728	,9801	1519	— 2,29	—	+ 2,42
754	61 36	5,988	0,0189	,4197	,7773	,9797	1531	—	—	—
755	59 34 3,86	6,010	0,0183	,4126	,7789	,9795	1525	— 2,23	—	+ 3,44
756	53 23 32,46	6,038	+0,0103	+9,3836	—0,7809	—9,9793	1527	— 2,28	—	+ 4,91
757	46 34 18,52	6,049	9,9956	,3409	,7817	,9793	1528	— 1,82	—	+ 5,94
758	61 6 23,71	6,071	0,0183	,4236	,7832	,9791	1532	— 0,80	—	+ 3,00
759	46 29 34,25	6,170	9,9952	,3490	,7903	,9784	1538	— 2,01	—	+ 3,44
760	38 44 20,25	6,199	9,9699	,2869	,7923	,9782	1539	— 2,51	—	+ 7,05
761	38 37 45,81	6,204	+9,9699	+9,2162	—0,7927	—9,9781	1540	— 2,35	—	+ 9,22
762	50 22	6,237	0,0039	,3799	,7950	,9779	1543	—	—	—
763	60 47 23,94	6,221	0,0179	,4329	,7938	,9780	1545	— 2,63		+ 1,32
764	30 30 41,21	6,237	9,9325	,1988	,7950	,9779	1542	— 1,65	—1,13	— 4,81
765	53 45 27,10	6,255	0,0094	,4009	,7962	,9777	1547	— 1,08		+ 7,14

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
766	Argus	7.8	4	7 12 44,99	+1,324	—8 ,5488	+9,0319	+0,1219	+8,4565
767	——	7	3	12 47,75	1,016	,5976	9,0807	0,0069	,5272
768	——	7	4	12 54,90	1,720	,4837	8,9656	0,2355	,3460
769	——	7.8	3	13 1,31	0,995	,6020	9,0838	9,9978	,5329
770	——	6.7	3	13 16,43	2,230	,4006	8,8799	0,3483	,1419
771	Argus	7	3	13 34,47	2,087	—8,4259	+8,9030	+0,3195	+8,2128
772	——	9	3	13 56,56	0,852	,6301	9,1051	9,9304	,5687
773	——	7.8	4	14 9,54	1,517	,5255	8,9997	0,1810	,4145
774	——	7	3	14 11,41	1,801	,4775	8,9513	0,2555	,3271
775	——	7	3	14 36,85	1,760	,4870	8,9583	0,2455	,3435
776	Argus	7	2	14 46,61	2,272	—8,4035	+8,8727	+0,3564	+8,1299
777	——	8	4	14 52,89	1,713	,4964	8,9661	0,2338	,3602
778	——	7	3	15 4,77	1,577	,5214	8,9893	0,1978	,4037
779	——	7.8	3	15 5,93	0,964	,6197	9,0881	9,9841	,5527
780	——	7	3	16 2,12	1,435	,5503	9,0130	0,1568	,4485
781	Argus	7	2	16 4,46	2,270	—8,4106	+8,8724	+0,3560	+8,1382
782	——	6.7	3	16 7,68	1,218	,5865	9,0483	0,0856	,5035
783	——	—	—	16	1,450	,5494	9,0103	0,1614	,4461
784	——	7	3	16 26,93	1,655	,5158	8,9755	0,2188	,3883
785	——	—	—	16	1,458	,5488	9,0090	0,1638	,4447
786	Argus	7	2	16 27,05	1,065	—8,6123	+9,0724	+0,0273	+8,5997
787	——	7.8	3	16 27,40	2,057	,4473	8,9066	,3132	,2429
788	——	7.8	10	16 30,28	1,451	,5508	9,0102	,1617	,4475
789	——	8	3	16 46,91	2,063	,4461	8,9062	,3145	,2410
790	——	6.7	3	16 57,31	1,656	,5188	8,9753	,2191	,3915
791	Argus	7.8	3	16 57,87	1,655	—8,5190	+8,9755	+0,2188	+8,3918
792	——	6.7	3	17 12,15	1,199	,5959	9,0512	0,0788	,5145
793	——	7.8	3	17 24,41	0,808	,6566	9,1110	9,9074	,5977
794	Can. Maj.	7	4	17 26,90	2,336	,4084	8,8616	0,3685	,1093
795	——	6.7	3	17 39,60	2,343	,4084	8,8605	0,3698	,1063
796	Argus	7	3	17 42,13	2,055	—8,4550	+8,9066	+0,3128	+8,2520
797	——	7	3	17 56,65	1,022	,6275	9,0788	0,0094	,5577
798	——	7	3	18 24,50	2,040	,4617	8,9088	0,3096	,2629
799	——	8	3	19 32,96	0,735	,6797	9,1214	9,8663	,6244
800	——	7	3	19 37,77	1,255	,6007	9,0416	0,0986	,5156
801	Argus	7.8	3	19 45,13	0,740	—8,6800	+9,1205	+9,8692	+8,6245
802	——	7	4	19 40,91	1,390	,5834	,0192	0,1430	,4870
803	——	7	4	20 2,45	1,380	,5826	,0211	0,1399	,4870
804	——	9	3	20 8,60	1,010	,6420	,0802	0,0043	,5733
805	——	7	3	21 13,59	0,715	,6924	,1239	9,8543	,6382
806	Argus	8	3	21 21,59	1,416	—8,5839	+9,0146	+0,1511	+8,4852
807	——	7	3	21 23,92	1,048	,6437	9,0741	0,0204	,5731
808	——	8	3	21 41,00	0,852	,6753	9,1037	9,9304	,6152
809	——	6.7	3	22 15,95	1,539	,5684	8,9937	0,1874	,4572
810	——	8.9	3	22 28,02	1,279	,6129	9,0371	0,1068	,5265

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
766	53 56 32,03	− 6,260	+0,0099	+9,4023	−0,7965	−9,9777	1549	− 2,56	——	+ 9,61
767	58 15 32,08	6,260	0,0154	,4243	,7965	,9777	1551	− 1,71	——	− 3,12
768	46 43 3,88	6,276	9,9948	,3580	,7977	,9776	1550	− 1,71	——	+11,80
769	58 31 14,88	6,276	0,0154	,4267	,7977	,9776	1555	− 3,37	——	− 0,66
770	33 26 6,50	6,310	9,9469	,2394	,8000	,9773	1554	− 2,51	——	− 3,09
771	37 44 51,09	6,337	+9,9657	+9,2869	−0,8019	−9,9771	1556	− 2,09	——	− 0,15
772	60 14 30,53	6,365	0,0162	,4405	,8038	,9769	1560	+ 3,10	——	− 6,32
773	50 45 11,15	6,375	0,0035	,3917	,8045	,9768	1559	− 2,79	——	+ 1,19
774	45 0 39,97	6,381	9,9899	,3526	,8049	,9768	1557	− 1,81	− 2,26	− 1,93
775	45 56 24,98	6,414	9,9925	,3618	,8071	,9765	1562	− 1,57	——	+ 2,83
776	32 10 47,35	6,442	+9,9400	+9,2335	−0,8090	−9,9763	1563	+ 2,21	——	+ 1,64
777	46 55 37,33	6,436	9,9948	,3705	,8086	,9764	1564	——	− 2,56	− 6,31
778	49 41 21,72	6,458	0,0013	,3905	,8101	,9762	1565	− 2,00	——	− 0,83
779	58 58 17,51	6,454	0,0149	,4408	,8098	,9762	1566	− 1,07	——	+ 1,69
780	52 16 5,89	6,530	0,0056	,4112	,8149	,9756	1571	− 1,95	——	+ 2,22
781	32 17 8,92	6,542	+9,9405	+9,2414	−0,8157	−9,9755	1570	− 1,66	——	−63,12
782	55 40 33,55	6,542	0,0111	,4307	,8157	,9755	1572	− 2,14	——	− 0,99
783	52 1	6,553	0,0052	,4112	,8164	,9754	1574	——	——	——
784	48 12 48,85	6,569	9,9969	,3881	,8175	,9753	1576	− 3,35	——	− 2,28
785	51 53	6,563	0,0052	,4111	,8171	,9754	1577	——	——	——
786	57 45 23,96	6,563	+0,0128	+9,4428	−0,8171	−9,9754	1579	− 2,97	——	+64,82
787	38 38 6,27	6,574	9,9685	,3116	,8179	,9753	1567	−10,67	——	+ 5,07
788	52 1 7,64	6,574	0,0052	,4127	,8178	,9753	1578	− 1,67	——	+ 2,07
789	38 34 15,15	6,563	9,9675	,3101	,8171	,9754	1573	−28,10	——	+ 2,24
790	48 13 31,14	6,613	9,9969	,3911	,8204	,9750	1583	− 0,96	——	+ 5,21
791	48 13 53,65	6,613	+9,9969	+9,3912	−0,8204	−9,9750	1582	− 1,52	——	+ 9,55
792	55 59 48,42	6,629	0,0103	,4381	,8215	,9748	1588	− 1,19	——	+ 4,99
793	60 50 44,86	6,640	0,0149	,4615	,8222	,9747	1592	− 2,18	− 1,75	+ 3,18
794	30 8 39,37	6,657	9,9289	,2223	,8233	,9746	1584	− 2,60	——	− 8,79
795	29 54 38,31	6,673	9,9274	,2203	,8243	,9745	1590	− 3,19	——	− 1,69
796	38 47 5,46	6,679	+9,9680	+9,3198	−0,8247	−9,9744	1594	+ 1,04	——	+ 1,98
797	58 22 14,73	6,684	0,0133	,4534	,8251	,9744	1595	− 3,66	——	− 0,11
798	39 13 41,18	6,739	9,9694	,3279	,8286	,9739	1597	——	——	− 4,04
799	61 41 10,08	6,816	0,0145	,4763	,8335	,9733	1603	− 3,29	——	+10,69
800	55 16 24,02	6,672	0,0086	,4470	,8342	,9732	1602	− 2,40	——	− 2,14
801	61 38 39,97	6,832	+0,0141	+9,4772	−0,8346	−9,9732	1604	− 3,16	——	+ 5,33
802	53 11 51,70	6,898	,0052	,4403	,8387	,9726	1608	+46,84	——	+ 3,74
803	53 21 30,45	6,858	,0056	,4388	,8362	,9729	1605	− 2,89	——	+10,37
804	58 36 13,12	6,865	,0120	,4660	,8367	,9729	1606	− 2,83	——	− 1,57
805	61 57 36,16	6,958	,0137	,4864	,8425	,9721	1615	− 1,48	——	+ 2,39
806	52 47 55,63	6,969	+0,0038	+9,4426	−0,8432	−9,9720	1613	− 1,87	− 2,28	+ 4,76
807	58 10 56,95	6,975	,0111	,4710	,8435	,9720	1616	− 2,32	——	+ 4,83
808	60 31 27,15	7,002	,0124	,4831	,8452	,9717	1617	+ 2,84	——	− 3,76
809	50 41 54,56	7,016	,0000	,4348	,8479	,9713	1619	− 2,25	——	+ 3,43
810	55 2 36,82	7,062	,0069	,4606	,8489	,9712	1623	− 1,81	——	− 5,43

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
811	Argus	7.8	3	7 23 17,90	+ 1,289	—8,6156	+9,0352	+0,1102	+8,5286
812	——	7	4	23 27,54	1,522	,5778	8,9963	0,1824	,4688
813	——	8	4	24 11,35	1,281	,6220	9,0364	0,1075	,5359
814	——	8	3	24 25,74	0,971	,6717	9,0853	9,9872	,6060
815	——	8	3	25 8,87	2,207	,4693	8,8780	0,3438	,2243
816	Argus	7	3	25 17,42	1,095	—8,6575	+9,0658	+0,0394	+8,5848
817	——	8	4	25 51,33	1,539	,5877	8,9927	,1874	,4775
818	——	7.8	3	26 4,22	1,294	,6299	9,0337	,1119	,5431
819	——	6.7	3	26 7,24	1,458	,6029	9,0063	,1638	,5014
820	——	6.7	3	26 17,35	1,572	,5844	8,9868	,1964	,4704
821	Argus	6	3	26 28,46	2,505	—8,4314	+8,8327	+0,3988	+8,0472
822	——	7	3	26 44,00	1,544	,5914	8,9916	0,1886	,4809
823	——	—	—	26	1,597	,5822	8,9824	0,2033	,4654
824	——	6.7	3	26 54,71	1,355	,6244	9,0235	0,1319	,5328
825	——	7	3	27 42,93	0,839	,7092	9,1046	9,9227	,6507
826	Argus	6.7	3	28 5,51	1,924	—8,5325	+8,9250	+0,2842	+8,3643
827	——	7	3	28 27,94	1,116	,6708	9,0619	,0477	,5974
828	——	6.7	3	28 42,51	1,923	,5356	8,9248	,2840	,3676
829	——	7	3	29 0,89	1,414	,6255	9,0129	,1504	,5291
830	——	7	3	29 8,90	1,966	,5304	8,9171	,2936	,3535
831	Argus	6.7	3	29 14,63	1,582	—8,5979	+8,9824	+0,1992	+8,4837
832	——	8	3	29 29,79	1,315	,6442	9,0295	,1189	,5567
833	——	7	4	29 48,75	2,177	,4976	8,8807	,3359	,2650
834	——	7	3	29 50,75	1,878	,5491	8,9323	,2737	,3905
835	——	(7)	1	30 30,19	2,464	,4579	8,8371	,3916	,1069
836	Argus	7	3	30 45,40	1,027	—8,6969	+9,0754	+0,0116	+8,6293
837	——	7	4	31 17,25	1,853	,5607	8,9360	,2679	,4073
838	——	7	4	31 41,33	1,853	,5628	8,9360	,2679	,4096
839	Q ——	5.6	3	31 42,52	1,482	,6264	9,0007	,1708	,5241
840	——	8	3	31 43,59	1,677	,5936	8,9668	,2245	,4681
841	Argus	8	3	31 58,93	1,851	—8,5642	+8,9360	+0,2674	+8,4113
842	——	7.8	3	32 7,88	2,183	,5077	8,8785	,3390	,2745
843	——	6	3	32 15,56	1,680	,5959	8,9663	,2253	,4702
844	Y^1 ——	7.8	3	32 29,25	1,410	,6437	9,0127	,1492	,5487
845		6.7	3	32 37,80	1,277	,6662	9,0348	,1062	,5824
846	Argus	6.7	4	32 53,68	2,457	—8,4687	+8,8352	+0,3904	+8,1179
847		7	3	32 53,89	2,387	,4791	8,8453	,3778	,1649
848	——	7	3	32 54,82	1,181	,6832	9,0505	,0722	,6066
849		7	3	32 55,61	2,051	,5340	8,9006	,3120	,3389
850		7	2	32 56,73	2,094	,5266	8,8931	,3210	,3201
851	Argus	8	4	32 56,98	2,454	—8,4693	+8,8355	+0,3899	+8,1198
852	Y^2 ——	8	3	33 47,04	1,864	,5707	8,9330	,2704	,4162
853	——	6	3	33 47,30	1,695	,6006	8,9630	,2292	,4734
854	——	6	6	34 5,01	2,116	,5281	8,8887	,3255	,3159
855	——	8.9	3	34 24,83	1,193	,6893	9,0482	,0766	,6122

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
811	54 55 21,18	— 7,127	+0,0060	+9,4640	—0,8529	—9,9706	1627	— 2,04	——	— 3,67
812	51 4 39,82	7,144	0,0000	,4430	,8539	,9705	1629	— 1,55	——	+ 1,24
813	55 5 6,70	7,205	0,0056	,4695	,8576	,9700	1633	+ 0,89	——	+28,35
814	59 15 12,80	7,215	0,0103	,4906	,8582	,9699	1635	— 4,81	——	+ 4,47
815	34 39 3,93	7,285	9,9479	,3155	,8624	,9692	1637	— 2,61	——	+ 0,48
816	57 44 35,83	7,292	+0,0082	+9,4881	—0,8628	—9,9692	1638	— 2,41	——	— 0,76
817	50 52 20,09	7,340	9,9983	,4535	,8657	,9687	1639	— 1,34	——	— 1,69
818	54 58 23,71	7,356	0,0047	,4780	,8666	,9686	1641	— 0,81	——	— 5,70
819	52 19 9,82	7,362	0,0004	,4635	,8670	,9685	1640	— 3,20	——	+ 3,58
820	50 16 31,32	7,378	9,9965	,4520	,8679	,9684	1643	— 2,67	—2,77	— 0,71
821	24 22 14,65	7,395	+9,8915	+9,1827	—0,8689	—9,9682	1642	— 4,57	——	+ 1,05
822	50 49 16,41	7,410	9,9974	,4574	,8698	,9681	1644	— 3,05	——	+ 0,43
823	49 49	7,410	9,9956	,4511	,8698	,9681	1645	——	——	——
824	54 3 49,42	7,427	0,0026	,4773	,8708	,9679	1647	— 2,88	——	+ 3,97
825	60 54 37,26	7,480	0,0094	,5135	,8739	,9674	1652	— 4,20	——	— 4,22
826	42 44 27,79	7,524	+9,9768	+9,4062	—0,8764	—9,9670	1654	— 1,89	——	+ 1,28
827	57 35 59,03	7,546	0,0060	,5023	,8777	,9668	1655	— 3,03	——	+ 2,09
828	42 46 3,64	7,572	9,9768	,4093	,8792	,9665	1656	— 1,38	——	+ 2,48
829	53 12 38,12	7,600	0,0004	,4824	,8808	,9663	1659	— 2,06	——	+ 1,55
830	41 43 31,96	7,611	9,9727	,4026	,8814	,9662	1658	— 2,23	——	+ 6,67
831	50 14 21,04	7,616	+9,9952	+9,4656	—0,8817	—9,9661	1660	— 3,25	——	+ 2,07
832	54 49 13,32	7,632	0,0026	,4932	,8826	,9660	1661	— 2,61	——	— 0,60
833	35 48 45,51	7,663	9,9508	,3500	,8844	,9657	1662	— 1,35	——	+62,01
834	43 56 46,57	7,663	9,9791	,4239	,8844	,9657	1663	— 3,22	——	+ 4,70
835	26 27 31,67	7,723	9,9031	,2349	,8878	,9651	1664	— 1,09	——	+ 4,58
836	58 50 54,53	7,734	+0,0060	+9,5189	—0,8884	—9,9650	1667	— 0,59	——	+ 5,45
837	44 36 11,96	7,783	9,9805	,4357	,8911	,9645	1668	— 2,71	——	+ 1,29
838	44 37 58,89	7,815	9,9805	,4378	,8929	,9642	1672	— 2,33	——	+ 4,04
839	52 10 43,30	7,799	9,9974	,4877	,8920	,9643	1674	— 2,72	——	+ 4,32
840	48 29 27,16	7,815	9,9899	,4654	,8929	,9642	1673	— 2,28	——	+ 6,52
841	44 40 21,61	7,837	+9,9800	+9,4392	—0,8941	—9,9640	1676	— 3,43	——	— 2,55
842	35 45 11,38	7,853	9,9489	,3598	,8950	,9638	1678	— 1,42	——	+ 2,25
843	48 28 19,86	7,858	9,9899	,4677	,8953	,9638	1681	— 1,67	——	+ 6,51
844	53 27 49,06	7,880	9,9987	,4995	,8965	,9635	1682	— 1,01	——	— 3,26
845	55 31 56,49	7,885	0,0013	,5111	,8968	,9635	1684	— 2,31	——	— 4,44
846	26 29 58,47	7,916	+9,9020	+9,2459	—0,8985	—9,9632	1683	— 0,64	——	+ 1,37
847	26 25	7,922	9,9164	,2827	,8988	,9631	1685	+ 0,83	——	——
848	56 56 30,18	7,905	0,0030	,5194	,8979	,9633	1690	— 2,82	——	— 0,19
849	39 37 52,35	7,916	9,9638	,4015	,8985	,9632	1689	— 2,54	——	— 0,26
850	38 25 2,84	7,916	9,9595	,3901	,8985	,9632	1688	— 3,98	——	— 8,26
851	26 33 26,23	7,922	+9,9025	+9,2474	—0,8988	—9,9631	1686	+ 0,03	——	— 2,41
852	44 27 59,61	7,980	9,9791	,4456	,9020	,9625	1693	— 2,37	——	+ 2,86
853	48 14 17,29	7,980	9,9981	,4729	,9020	,9625	1694	— 2,58	—4,09	+ 4,48
854	37 46 26,57	8,008	9,9566	,3894	,9035	,9622	1696	— 0,70	——	——
855	56 51 15,47	8,034	0,0017	,5259	,9049	,9620	1701	+ 1,76	——	+ 5,84

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
856	Argus	9	3	7 34 30,17	+ 1,265	—8,6775	+9,0364	+0,1021	+8,5952
857	——	7	3	34 48,44	1,676	,6091	8,9660	,2243	,4849
858	——	6	3	35 9,86	1,451	,6504	9,0048	,1617	,5522
859	——	7.8	3	35 16,28	1,264	,6815	9,0363	,1017	,5995
860	——	—	—	36	2,500	,4773	8,8270	,3979	,1030
861	Argus	7.8	3	36 10,65	0,930	—8,7388	+9,0892	+9,9685	+8,6776
862	——	6.7	3	36 21,04	1,879	,5802	8,9293	0,2739	,4241
863	——	9	3	36 27,48	1,869	,5821	8,9311	0,2716	,4279
864	——	7	3	37 13,30	1,371	,6730	9,0180	0,1370	,5829
865	——	8	3	37 35,40	1,463	,6591	9,0021	0,1652	,5605
866	Argus	7.8	4	38 25,80	1,271	—8,6954	+9,0344	+ 0,1041	+8,6138
867	——	7.8	4	38 37,20	1,346	,6838	9,0218	0,1290	,5962
868	——	7	4	38 39,31	0,996	,7406	9,0786	9,9983	,6766
869	——	6.7	4	38 52,91	2,135	,5467	8,8830	0,3294	,3318
870	——	7.8	3	38 59,70	1,284	,6960	9,0320	0,1086	,6135
871	Argus	6.7	3	39 14,10	1,107	—8,7259	+9,0609	+0,0441	+8,6566
872	——	8	4	39 16,62	1,340	,6880	9,0226	,1271	,6011
873	——	7	3	39 23,01	2,137	,5483	8,8823	,3298	,3329
874	——	7	3	39 25,02	1,105	,7273	9,0613	,0434	,6572
875	——	6	3	39 37,28	2,253	,5299	8,8625	,3528	,2767
876	Argus	7	3	39 41,79	1,491	—8,6640	+ 8,9966	+0,1735	+8,5633
877	——	6	3	39 52,51	1,140	,7243	9,0553	,0569	,6521
878	——	6	3	39 54,33	1,786	,6131	8,9444	,2519	,4746
879	——	6.7	3	39 55,64	1,620	,6430	8,9740	,2095	,5279
880	——	7.8	3	39 59,64	1,620	,6430	8,9740	,2095	,5279
881	Argus	7	3	40 24,54	1,879	—8,5988	+8,9275	+0,2739	+8,4444
882	——	7	2	40 28,74	2,138	,5531	,8815	,3500	,3381
883	——	7	3	40 50,90	2,144	,5536	,8803	,3312	,3370
884	——	7	3	40 52,51	1,885	,5998	,9262	,2753	,4445
885	——	7.8	4	40 55,86	1,489	,6705	,9966	,1729	,5705
886	Argus	6.7	3	41 2,89	2,066	—8,5682	+8,8939	+0,3151	+8,3734
887	——	8	4	41 18,64	1,255	,7117	9,0361	,0986	,6320
888	——	7.8	5	41 22,65	1,870	,6049	8,9287	,2718	,4527
889	——	7	3	41 44,90	2,015	,5806	8,9025	,3043	,3983
890	——	7.8	3	41 45,31	2,015	,5803	8,9025	,3043	,3983
891	Argus	7	3	41 57,95	1,570	—8,6603	+8,9821	+0,1959	+8,5518
892	S ——	7	3	42 5,31	1,742	,6309	8,9515	,2410	,5002
893	——	6	3	42 14,15	1,257	,7156	9,0355	,0993	,6360
894	——	6.7	3	42 18,75	2,518	,5008	8,8201	,4011	,1191
895	——	7	4	42 40,28	2,048	,5785	8,8961	,3113	,3890
896	Argus	7.8	3	42 47,94	1,794	—8,6248	+8,9418	+0,2538	+8,4863
897	——	7.8	3	42 50,35	1,791	,6252	,9422	,2531	,4871
898	Q ——	7	3	43 27,79	1,476	,6840	,9980	,1691	,5860
899	——	5	3	43 34,37	1,793	,6281	,9415	,2536	,4900
900	——	6.7	3	43 46,11	2,049	,5833	,8954	,3115	,3942

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
856	55 49 0,09	— 8,034	+0,0009	+9,5207	—0,9049	—9,9620	1700	— 3,25	——	+ 3,31
857	48 41 3,48	8,067	9,9886	,4805	,9067	,9616	1702	— 1,67	— 2,91	+ 7,43
858	52 54 24,43	8,104	9,9961	,5083	,9087	,9612	1705	+ 4,30	——	+ 4,48
859	55 51 52,07	8,099	0,0000	,5244	,9084	,9613	1706	— 2,72	——	— 2,44
860	24 58	8,177	9,8910	,2364	,9126	,9604	1710	——	——	——
861	60 15 51,33	8,168	+0,0035	+9,5489	—0,9121	—9,9606	1713	— 1,93	——	+ 0,15
862	44 15 33,84	8,189	9,9768	,4551	,9132	,9603	1711	— 2,94	——	+ 5,90
863	44 30 35,87	8,190	9,9768	,4571	,9132	,9603	1712	— 6,77	——	+ 1,23
864	54 20 5,10	8,253	9,9969	,5245	,9166	,9596	1719	— 1,90	——	— 0,12
865	52 49 9,47	8,286	9,9943	,5177	,9183	,9593	1720	— 1,78	——	+ 6,75
866	55 56 20,36	8,348	+9,9983	+9,5380	—0,9216	—9,9586	1724	— 2,06	——	— 8,40
867	54 48 5,38	8,364	9,9969	,5329	,9224	,9584	1725	— 3,13	——	+ 2,25
868	59 37 34,42	8,364	0,0013	,5564	,9224	,9584	1727	— 1,85	——	— 7,38
869	37 33 30,78	8,391	9,9533	,4070	,9238	,9582	1726	— 2,31	——	+ 6,25
870	55 46 2,22	8,395	9,9974	,5396	,9240	,9581	1728	— 2,39	——	+ 1,36
871	58 15 3,90	8,412	+0,0000	+9,5526	—0,9249	—9,9579	1732	——	— 2,83	+ 1,71
872	54 55 54,26	8,417	9,9965	,5363	,9251	,9579	1733	— 0,86	——	+ 3,71
873	37 30 12,75	8,427	9,9523	,4084	,9257	,9577	1730	— 2,59	——	— 4,61
874	58 17 22,21	8,427	0,0000	,5537	,9257	,9577	1737	— 2,77	——	— 0,64
875	33 51 41,88	8,448	9,9375	,3717	,9268	,9575	1736	——	—2,69	——
876	52 27 24,32	8,448	+9,9925	+9,5241	—0,9268	—9,9575	1738	— 2,74	——	+13,99
877	57 50 57,61	8,475	,9991	,5540	,9281	,9572	1742	——	——	+ 5,21
878	46 37 25,98	8,470	,9809	,4875	,9279	,9573	1739	— 1,42	— 2,39	+ 1,71
879	50 4 47,38	8,491	,9881	,5111	,9281	,9572	1740	— 1,55	——	+ 3,20
880	50 5 24,06	8,470	,9881	,5111	,9281	,9572	1741	— 2,04	——	+10,98
881	44 29 45,26	8,507	+9,9752	+9,4738	—0,9300	—9,9568	1743	— 2,70	——	— 1,25
882	37 32 44,67	8,517	,9523	,4133	,9303	,9567	1744	— 2,89	——	+ 0,46
883	37 22 53,26	8,544	,9513	,4132	,9316	,9564	1745	— 2,98	——	— 5,19
884	44 22 16,05	8,549	,9745	,4747	,9319	,9564	1746	— 2,57	——	+ 0,81
885	52 34 7,67	8,554	,9921	,5302	,9322	,9563	1749	+ 0,11	——	+ 7,35
886	39 40 13,40	8,559	+9,9595	+9,4357	—0,9324	—9,9563	1748	— 3,18	——	— 4,89
887	56 19 17,65	8,580	,9969	,5519	,9335	,9560	1752	— 2,22	——	— 0,62
888	44 46	8,591	,9750	,4800	,9340	,9559	1751	+ 1,53	——	——
889	41 6 43,38	8,623	,9643	,4514	,9354	,9556	1753	— 1,41	——	— 0,20
890	41 7 31,99	8,617	,9643	,4514	,9354	,9556	1754	— 0,83	——	+ 5,90
891	51 9 38,37	8,622	+9,9890	+9,5252	—0,9356	—9,9555	1756	— 7,56	——	+ 2,60
892	47 43 12,00	8,644	,9818	,5040	,9367	,9553	1759	+ 0,11	——	+ 3,64
893	56 19 56,70	8,654	,9961	,5556	,9372	,9552	1762	— 1,35	——	+ 1,47
894	24 30 59,12	8,665	,8859	,2541	,9377	,9551	1760	— 1,27	— 2,31	+ 2,28
895	40 15 22,94	8,691	,9605	,4476	,9391	,9548	1764	— 2,44	——	— 5,90
896	46 37 3,79	8,701	+9,9791	+9,4992	—0,9396	—9,9546	1766	— 1,55	——	+ 5,15
897	46 40 33,71	8,701	,9791	,4995	,9396	,9546	1767	— 2,41	——	+ 4,46
898	52 56 10,77	8 749	,9908	,5421	,9419	,9541	1771	— 1,07	——	+ 6,54
899	46 40 34,95	8,759	,9786	,5024	,9425	,9540	1772	— 1,84	— 3,10	+ 3,37
900	40 18 9,90	8,780	,9600	,4525	,9435	,9537	1773	— 2,06	——	— 0,18

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s.				
901	P Argus	5.6	3	7 44 21,70	+1,826	—8,6244	+8,9355	+0,2615	+8,4812
902	———	6	2	44 23,40	1,806	,6293	8,9389	,2567	,4895
903	———	—	—	44	1,288	,7214	9,0297	,1099	,6401
904	———	7	9	44 55,02	1,285	,7227	9,0301	,1089	,6417
905	———	7	3	45 38,03	1,905	,6168	8,9204	,2799	,4600
906	Argus	7	3	45 41,09	1,358	—8,7140	+9,0175	+0,1329	+8,6275
907	———	7.8	3	45 44,52	1,406	,7061	9,0093	,1480	,6154
908	———	7	3	45 56,52	1,399	,7073	9,0105	,1458	,6173
909	———	8	4	45 48,36	1,390	,7091	9,0120	,1430	,6199
910	———	8	3	45 58,90	1,381	,7125	9,0144	,1402	,6234
911	Argus	7.8	3	46 1,66	1,809	—8,6360	+8,9376	+0,2574	+8,4964
912	———	6.7	3	46 2,85	1,637	,6669	8,9686	,2140	,5519
913	———	6.7	3	46 26,81	1,796	,6402	8,9399	,2543	,5030
914	———	6.7	3	46 33,97	1,008	,7759	9,0747	,0035	,7130
915	———	7.8	3	48 1,87	2,543	,5203	8,8122	,4053	,1265
916	Argus	7.8	3	48 7,08	1,068	—8,7730	+9,0649	+0,0286	+8,7072
917	———	8	3	48 13,17	1,350	,7266	9,0182	,1303	,6416
918	———	6.7	3	48 27,10	1,644	,6761	8,9664	,2159	,5612
919	———	6	3	48 33,06	1,690	,6684	8,9581	,2279	,5476
920	———	7	3	48 34,62	2,350	,5510	8,8407	,3711	,2645
921	R Argus	5.6	3	48 36,10	1,762	—8,6556	+8,7451	+0,2460	+8,5247
922	———	6.7	3	48 40,41	1,433	,7143	9,0037	,1562	,6221
923	———	7.8	4	49 22,02	1,077	,7768	9,0631	,0322	,7108
924	———	9	3	49 29,06	1,086	,7760	9,0617	,0358	,7095
925	———	7	3	49 36,88	1,925	,6300	8,9148	,2844	,4714
926	Argus	7	3	50 0,60	2,387	—8,5508	+8,8337	+0,3778	+8,2482
927	———	7	3	50 25,93	1,650	,6835	8,9646	,2175	,5687
928	———	7	3	50 35,48	1,803	,6557	8,9367	,2560	,5191
929	———	8	3	51 11,91	1,528	,7084	8,9861	,1841	,6079
930	———	8.9	3	51 16,79	1,428	,7264	9,0037	,1547	,6356
931	Argus	8	3	51 20,98	1,806	—8,6588	+8,9359	+0,2567	+8,5222
932	———	7	3	51 59,97	1,802	,6633	8,9361	,2557	,5278
933	———	8	3	52 23,58	1,449	,7274	8,9996	,1611	,6351
934	———	7	4	52 24,42	1,720	,6788	8,9510	,2355	,5555
935	X ———	4.5	4	52 42,60	1,530	,7146	8,9852	,1847	,6144
936	Argus	—	—	52	2,417	—8,5596	+8,8263	+0,3318	+8,2452
937	———	6	3	53 35,97	1,023	,8040	9,0707	,0099	,7420
938	———	7.8	3	53 36,27	1,325	,7540	9,0208	,1222	,6727
939	———	5.6	4	53 39,02	1,724	,6832	8,9497	,2365	,5599
940	———	7	3	54 10,76	1,822	,6674	8,9314	,2605	,5295
941	Argus	7	3	54 21,73	1,257	—8,7689	+9,0320	+0,0993	+8,6928
942	———	7	3	54 30,79	2,522	,4476	8,8098	,4017	,1732
943	———	—	—	54	1,444	,7361	8,9998	,1596	,6449
944	Can. Maj.	7	1	54 37,18	1,748	,6226	8,9449	,2425	,5563
945	Argus	7.8	4	54 39,86	1,446	,7375	8,9994	,1602	,6462

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
901	45 58 22,42	— 8,796	+9,9763	+9,4992	—0,9443	—9,9535	1778	—	— 2,46	+ 5,26
902	46 27 26,75	8,822	,9773	,5038	,9456	,9532	1780	— 1.44	—	+ 4,58
903	56 0	8,843	,9939	,5634	,9466	,9530	1782	—	—	—
904	56 4 17,74	8,859	,9939	,5644	,9474	,9528	1784	— 4,02	— 2,94	+ 1,77
905	44 10 35,37	8,921	,9708	,4917	,9504	,9520	1787	— 3,89	—	+ 1,39
906	56 0 29,59	8,921	+9,9921	+9,5620	—0,9504	—9,9520	1788	— 3,17	—	+ 1,82
907	54 24 21,05	8,927	,9912	,5581	,9507	,9520	1789	— 2,93	—	+ 1,80
908	54 21	8,927	,9917	,5587	,9507	,9520	1791	—14,02	—	—
909	54 30 4,51	8,932	,9917	,5598	,9509	,9519	1792	— 0,99	—	+12,54
910	54 40 35,77	8,947	,9917	,5614	,9517	,9517	1795	— 2,71	—	— 4,52
911	46 27 50,72	8,953	+9,9768	+9,5105	—0,9519	—9,9517	1794	— 0,34	—	+ 6,36
912	50 6 11,80	8,953	,9841	,5350	,9519	,9517	1796	— 1,33	—	— 4,98
913	46 48 31,19	8,984	,9773	,5144	,9535	,9513	1798	— 1,38	—	+ 6,05
914	59 53 11,87	9,000	,9961	,5894	,9542	,9511	1800	—	—	+ 4,33
915	23 48	9,114	,8791	,2640	,9597	,9497	1804	+ 1,05	—	—
916	50 14 10,86	9,114	+9,9943	+9,5920	—0,9597	—9,9497	1806	— 1,44	—	+ 5,06
917	55 17 32,78	9,119	,9908	,5730	,9600	,9496	1807	— 2,09	—	— 1,59
918	50 6 33,18	9,140	,9827	,5441	,9609	,9494	1809	— 0,99	—	+59,65
919	49 11 55,09	9,150	,9809	,5387	,9614	,9492	1813	— 1,49	— 0,39	+ 3,78
920	31 7 2,33	9,150	,9196	,3730	,9614	,9492	1808	— 4,59	—	— 2,43
921	47 41 15,03	9,155	+9,9777	+9,5288	—0,9617	—9,9492	1812	—	— 3,54	+ 5,92
922	53 57 11,70	9,155	,9886	,5676	,9617	,9492	1814	—	— 2,64	+13,11
923	59 11 56,83	9,207	,9934	,5962	,9641	,9485	1816	— 2,96	—	—19,06
924	59 4 43,25	9,217	,9934	,5962	,9646	,9484	1818	— 1,72	—	+ 6,65
925	43 56 10,97	9,233	,9675	,5048	,9653	,9482	1817	— 1,99	—	+ 7,86
926	29 51 44,49	9,264	+9,9127	+9,3623	—0,9668	—9,9478	1819	— 1,80	—	— 3,18
927	50 8 45,08	9,295	,9814	,5515	,9683	,9474	1822	— 1,29	—	— 4,93
928	46 53 26,60	9,295	,9750	,5298	,9683	,9474	1821	—12,63	—	+ 2,84
929	52 28 53,91	9,352	,9850	,5685	,9709	,9467	1826	— 1,53	—	— 3,59
930	54 13 9,42	9,357	,9872	,5785	,9711	,9466	1828	— 3,75	—	— 0,79
931	46 53 28,70	9,362	+9,9741	+9,5329	—0,9714	—9,9465	1827	— 4,08	—	— 0,17
932	47 2 31,28	9,434	,9736	,5373	,9747	,9456	1832	+10,88	—	+ 7,30
933	53 56 14,82	9,445	,9859	,5809	,9752	,9455	1834	— 3,70	—	+ 3,39
934	48 50 11,05	9,445	,9777	,5499	,9752	,9455	1833	— 2,41	—	+ 5,46
935	52 33 17,05	9,470	,9841	,5743	,9764	,9451	1835	— 2,02	— 1,99	+ 6,26
936	28 55	9,537	+9,9058	+9,3631	—0,9794	—9,9442	1837	—	—	
937	60 5 56,47	9,537	,9908	,6155	,9794	,9442	1842	+ 0,74	—	— 0,94
938	57 0 4,70	9,537	,9872	,5962	,9794	,9442	1840	— 3,26	—	— 1,56
939	48 48 43,02	9,542	,9768	,5544	,9796	,9442	1839	— 2,70	—	+ 6,41
940	46 42 23,09	9,583	,9717	,5417	,9815	,9436	1843	— 2,48	—	+ 2,64
941	57 2 49,76	9,599	+9,9881	+9,6042	—0,9822	—9,9434	1846	— 0,74	—	— 2,92
942	24 58 35,45	9,614	,8825	,3067	,9829	,9432	1844	— 3,34	—	— 1,82
943	54 7 —	9,588	,9850	,5886	,9817	,9435	1845	—	—	
944	48 19 33,19	9,614	,9750	,5546	,9829	,9432	1847	— 4,15	—	
945	54 7 58,20	9,619	,9845	,5900	,9831	,9431	1849	— 2,55	—	— 0,44

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
946	Argus	6.7	4	7 54 41,41	+ 1,693	—8,6932	+8,9549	+0,2287	+8,5746
947	——	8	4	54 42,62	1,693	,6932	8,9549	,2287	,5746
948	——	7.8	2	54 47,61	1,749	,6835	8,9446	,2428	,5572
949	——	6	3	54 49,03	1,048	,8053	9,0663	,0204	,7423
950	——	6.7	3	54 45,40	1,818	,6715	8,9320	,2596	,5348
951	Argus	7.8	3	55 12,38	1,564	—8,7190	+8,9782	+0,1942	+8,6162
952	——	8	8	55 13,61	1,449	,7391	,9987	,1611	,6478
953	——	7.8	3	55 26,58	1,746	,6862	,9449	,2420	,5606
954	——	—	—	55	1,451	,7396	,9983	,1617	,6482
955	——	—	—	55	1,011	,8149	9,0727	,0047	,7542
956	Argus	7	3	55 36,22	1,743	—8,6876	+8,9454	+0,2413	+8,5625
957	——	7	3	55 46,82	2,192	,6060	8,8626	,3408	,3840
958	——	8	1	56 10,47	1,012	,8165	9,0718	,0052	,7557
959	——	6.7	2	55 49,22	1,749	,6876	8,9441	,2428	,5617
960	——	7.8	3	56 14,03	2,200	,6061	8,8609	,3424	,3817
961	Argus	7	3	56 37,90	1,935	—8,6565	+8,9092	+0,2867	+8,4996
962	——	7	3	56 45,36	1,718	,6971	8,9495	,2350	,5761
963	——	6.7	3	56 50,28	1,066	,8106	9,0630	,0278	,7472
964	——	6	3	56 53,09	1,034	,8157	9,0680	,0145	,7539
965	——	6.7	3	56 53,68	1,480	,7409	8,9924	,1703	,6473
966	Argus	10	2	56 53,05	1,042	—8,8148	+9,0669	+0,0179	+8,7527
967	——	6.7	3	57 14,93	2,060	,6355	8,8858	,3139	,4514
968	——	6.7	3	57 17,67	1,934	,6590	8,9090	,2865	,5026
969	——	6	4	57 30,05	1,461	,7466	8,9957	,1646	,6550
970	——	8	4	57 31,80	1,461	,7466	8,9957	,1646	,6553
971	Argus	—	—	58	1,406	—8,7574	+9,0049	+0,1480	+8,6722
972	——	6.7	6	58 7,75	1,455	,7506	8,9965	,1629	,6598
973	——	7	3	58 8,23	1,706	,7047	8,9509	,2320	,5859
974	——	7	3	58 9,13	2,002	,6494	8,8959	,3015	,4792
975	——	6.7	3	58 53,44	1,730	,7032	8,9462	,2380	,5814
976	Argus	6.7	3	58 53,88	2,311	—8,5969	+8,8396	+0,3638	+8,3348
977	——	—	—	58	2,309	,5988	,8394	,3634	,3374
978	——	6.7	4	59 34,68	1,312	,5991	,8388	,3640	,3367
979	——	6.7	3	8 0 13,56	1,683	,7173	,9544	,2261	,6025
980	——	6.7	3	0 19,06	1,475	,7553	,9921	,1688	,6635
981	Argus	6.7	3	0 24,63	1,849	—8,6871	+8,9233	+0,2669	+8,5479
982	——	—		0	1,445	,7616	,9973	,1599	,6727
983	——	7.8	6	0 32,95	1,446	,7619	,9972	,1602	,6728
984	——	6.7	4	0 39,10	1,769	,7029	,9382	,2477	,5764
985	——	6	3	0 54,71	1,554	,7424	,9775	,1917	,6538
986	Argus	7.8	5	1 0,72	1,448	—8,7632	+8,9968	+0,1608	+8,6741
987	——	6	3	1 32,84	1,923	,6774	,9087	,2840	,5255
988	——	7.8	3	1 57,08	2,269	,6150	,8445	,3558	,3710
989	——	7	3	2 40,63	1,623	,7376	,9643	,2103	,6311
990	——	6.7	3	2 58,81	1,767	,7121	,9873	,2472	,5380

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
946	49 32 30,54	— 9,624	+9,9773	+9,5628	—0,9834	—9,9431	1848	— 1,17	——	— 2,27
947	49 32 18,46	9,624	,9773	,5628	,9834	,9431	1848	——	——	——
948	48 30 55,89	9,634	,9750	,5556	,9838	,9429	1850	——	—1,77	——
949	59 52 33,57	9,634	,9899	,6189	,9838	,9429	1852	— 3,35	—4,41	+ 5,98
950	46 52 0,82	9,644	,9713	,5457	,9843	,9428	1851	— 1,94	——	+ 4,09
951	52 6 26,89	9,665	+9,9809	+9,5805	—0,9852	—9,9425	1853	— 0,58	——	— 5,50
952	54 6 39,06	9,660	,9841	,5917	,9850	,9426	1854	— 2,97	——	+ 4,13
953	48 28 0,03	9,675	,9750	,5581	,9857	,9424	1856	— 3,62	——	+ 9,65
954	54 6	9,675	,9836	,5923	,9857	,9424	1857	——	——	——
955	60 22	9,691	,9886	,6238	,9864	,9422	1862	——	——	——
956	48 32 37,95	9,691	+9,9745	+9,5593	—0,9863	—9,9422	1858	— 2,47	—2,37	+10,06
957	36 50 33,00	9,711	,9400	,4633	,9873	,9419	1859	— 2,25	——	— 2,56
958	60 23 19,32	9,731	,9886	,6255	,9882	,9416	1863	— 2,79	—2,37	— 2,78
959	48 25 55,32	9,711	,9745	,5595	,9873	,9419	1860	— 3,95	——	+ 6,40
960	36 36 27,49	9,742	,9390	,4623	,9886	,9415	1861	— 2,32	——	+ 5,77
961	44 9 22,78	9,777	+9,9633	+9,5314	—0,9902	—9,9410	1865	+ 2,15	——	+ 7,36
962	49 10 40,99	9,782	,9750	,5675	,9904	,9409	1867	— 1,36	——	+ 1,37
963	59 46 6,99	9,782	,9877	,6251	,9904	,9409	1868	— 3,06	——	+ 1,59
964	60 8 55,90	9,782	,9881	,6268	,9904	,9409	1869	— 3,40	——	+ 0,42
965	53 42 31,49	9,798	,9823	,5956	,9911	,9407	1870	+ 3,99	——	+ 5,64
966	60 4 1,36	9,787	+9,9877	+9,6266	—0,9907	—9,9408	1871	— 0,21	——	— 6,48
967	40 51 54,65	9,818	,9533	,5060	,9920	,9404	1872	——	——	+ 0,13
968	44 13 19,01	9,823	,9533	,5339	,9922	,9403	1873	— 2,14	——	+ 3,22
969	54 4 17,91	9,838	,9818	,5994	,9929	,9401	1875	— 2,38	——	+ 2,60
970	54 5 6,86	9,838	,9818	,5994	,9929	,9401	1875	——	——	——
971	55 0	9,889	+9,9823	+9,6067	—0,9952	—9,9394	1877	——	——	——
972	54 13 8,11	9,894	,9823	,6028	,9954	,9393	1881	+ 4,30	——	— 2,16
973	49 30 19,50	9,889	,9745	,5744	,9951	,9394	1880	— 0,79	——	— 1,22
974	42 29 57,87	9,884	,9581	,5228	,9949	,9395	1879	——	—4,45	+ 0,67
975	49 2 58,56	9,945	,9731	,5739	,9976	,9386	1885	——	—1,55	+ 2,43
976	33 8 21,27	9,950	+9,9232	+9,4337	—0,9978	—9,9386	1884	— 1,32	—3,97	— 2,22
977	33 3	9,950	,9232	,4346	0,9978	,9385	1886	——	——	——
978	33 6 47,94	10,000	,9227	,4357	1,0000	,9378	1887	— 1,58	—3,53	+ 8,09
979	50 8 15,63	10,046	,9740	,5853	1,0020	,9372	1888	— 3,07	—4,70	— 0,89
980	54 1 19,39	10,051	,9800	,6084	1,0022	,9371	1889	— 2,05	——	+ 1,53
981	46 31 24,97	10,061	+9,9671	+9,5615	—1,0026	—9,9369	1890	— 1,86	——	+ 4,10
982	54 32	10,071	,9800	,6122	,0031	,9368	1893	——	——	——
988	54 32 32,19	10,076	,9805	,6123	,0033	,9367	1895	+ 5,60	——	— 2,25
984	48 21 0,28	10,076	,9703	,5749	,0033	,9367	1894	— 2,55	——	+ 7,97
985	52 39 5,26	10,096	,9777	,6027	,0042	,9364	1896	——	—2,52	——
986	54 32 12,10	10,107	+9,9800	+9,6136	—1,0045	—9,9363	1897	— 1,71	——	— 2,48
987	44 48 28,43	10,146	,9619	,5525	,0063	,9357	1898	— 1,62	—0,31	+ 1,54
988	34 44 57,11	10,177	,9284	,4617	,0076	,9352	1901	——	—3,90	— 0,42
989	51 28 42,52	10,227	,9745	,6014	,0097	,9345	1907	— 2,21	——	+ 0,76
990	48 32 46,58	10,252	,9689	,5838	,0108	,9341	1908	— 1,95	——	+ 0,30

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
991	Argus	7.8	3	8 3 7,75	+ 2,262	—8,6204	+8,8444	+0,3545	+8,3792
992	——	8	3	3 47,88	1,468	,7701	,9919	,1667	,6802
993	——	7	3	4 14,36	1,592	,7493	,9688	,2019	,6468
994	——	5.6	3	4 23,06	1,787	,7133	,9330	,2521	,5859
995	γ^1 ——	6.7	3	4 34,06	1,847	,7031	,9215	,2665	,5664
996	Argus	6.7	3	4 34.48	2,356	—8,6092	+8,8273	+0,3722	+8,3324
997	γ^2 ——	5.6	3	4 36,51	1,847	,7033	,9214	,2665	,5666
998	γ^3 ——	7.8	3	4 39,65	1,847	,7035	,9215	,2665	,5669
999	——	7.8	3	4 50,60	1,678	,7358	,9530	,2248	,6236
1000	——	6	4	4 51,53	1,822	,7089	,9260	,2605	,5764
1001	Argus	7	4	5 15 75	1,601	—8,7517	+8,9672	+0,2044	+8,6489
1002	——	7.8	3	5 25,07	2,229	,6344	8,8491	,3430	,4071
1003	——	6.7	4	5 37,76	1,767	,7223	8,9362	,2472	,5987
1004	——	7	4	5 43,90	1,770	,7222	8,9354	,2480	,5981
1005	——	6.7	3	5 49,66	1,401	,7899	9,0032	,1464	,7066
1006	Argus	6.7	3	6 17,77	2,426	—8,6035	+8,8143	+0,3849	+8,2954
1007	B ——	5.6	3	6 20,60	1,029	,8554	9,0664	,0124	,7965
1008	——	5.6	3	6 21,84	1,805	,7178	8,9285	,2565	,5887
1009	——	7	3	6 31,23	2,226	,6391	8,8489	,3475	,4138
1010	——	7	4	7 18,30	2,248	,6378	8,8443	,3518	,4056
1011	Argus	6.7	3	7 22,43	2,248	—8,6379	+8,8441	+0,3518	+8,4056
1012	——	5.6	2	7 27,24	2,260	,6360	,8419	,3541	,3996
1013	——	5.6	3	7 57,85	2,250	,6396	,8433	,3522	,4071
1014	——	6.7	3	7 58,11	2,249	,6399	,8436	,3520	,4079
1015	——	7	3	8 28,80	1,528	,7772	,9792	,1841	,6834
1016	Argus	7	3	8 43,06	1,894	—8,7097	+8,9105	+0,2774	+8,5675
1017	——	7.8	3	9 24,09	1,780	,7334	8,9317	,2504	,6096
1018	——	8	3	9 14,77	1,147	,8475	9,0461	,0596	,7831
1019	——	8	5	9 30,30	1,789	,7322	8,9300	,2526	,6072
1020	——	7.8	3	9 30,77	2,425	,6144	8,8116	,3847	,3696
1021	Argus	7.8	5	10 30,38	1,788	—8,7364	+8,9297	+0,2524	+8,6122
1022	——	7.8	3	10 43,22	1,793	,7359	,9284	,2536	,6110
1023	——	7.8	3	10 45,21	2,524	,6022	,7947	,4021	,2415
1024	——	—	—	10	1,176	,7396	,9318	,0704	,6173
1025	——	7	3	10 47,40	1,911	,7135	,9057	,2813	,5691
1026	Argus	7.8	3	10 58,24	1,786	—8,7387	+8,9297	+0,2519	+8,6150
1027		7.8	6	11 15,58	1,790	,7385	,9288	,2528	,6143
1028	——	7	4	11 28,01	2,433	,6192	,8084	,3861	,3118
1029	——	8	3	11 36,30	2,625	,6051	,7937	,4023	,2448
1030	——	7	3	11 48,46	2,057	,6891	,8768	,3132	,5150
1031	Argus	7.8	2	11 51,30	1,936	—8,7125	+8,9062	+0,2869	+8,5641
1032	——	—	—	11	2,290	,6466	8,8527	,3598	,4030
1033	——	6.7	2	12 23,27	1,850	,7313	8,9166	,2672	,5985
1034	——	7.8	3	12 28,81	1,360	,8231	9,0081	,1335	,7456
1035	——	8	3	12 40,62	1,163	,8578	9,0422	,0656	,7934

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a′	b′	c′	d′	No.	M. C.	T.	
	° ′ ″	″							s.	″
991	34 59 26,02	−10,272	+9,9289	+9,4684	−1,0117	−9,9338	1902	—	—	+ 1,58
992	54 21 42,23	10,312	,9777	,6215	,0133	,9332	1911	− 2,56	—	− 2,38
993	52 9 7,48	10,352	,9750	,6106	,0150	,9326	1909	−44,27	—	+ 3,97
994	48 12 54,38	10,347	,9675	,5855	,0148	,9327	1913	−11,96	—	+ 1,19
995	46 52 33,80	10,372	,9647	,5772	,0158	,9323	1916	−2 ,97	− 3,13	+ 0,75
996	31 54 37,08	10,377	+0,0374	+9,6429	−1,0161	−9,9322	1915	− 3,23	—	− 3,51
997	46 52 5,26	10,377	9,9643	,5774	,0161	,9322	1917	− 2,30	− 2,91	− 2,35
998	46 53 0,18	10,377	9,9643	,5776	,0161	,9322	1918	− 2,56	—	− 3,81
999	50 32 40,52	10,392	9,9713	,6026	,0167	,9320	1921	− 3,99	—	+ 0,41
1000	47 28 1,65	10,392	9,9652	,5823	,0167	,9320	1920	− 2,83	− 2,46	+ 7,64
1001	52 6 14,05	10,422	+9,9731	+9,6132	−1,0179	−9,9315	1923	− 3,53	—	+ 6,91
1002	36 19 36,39	10,437	,9325	,4893	,0186	,9313	1924	− 1,30	—	+ 1,87
1003	48 45 50,69	10,452	,9675	,5936	,0192	,9311	1926	− 1,89	—	+ 7,79
1004	48 41 25,85	10,462	,9671	,5936	,0196	,9309	1927	− 2,26	—	+18,03
1005	55 36 57,84	10,462	,9773	,6344	,0196	,9309	1928	− 2,16	—	− 3,09
1006	29 26 4,85	10,506	+9,9009	+9,4113	−1,0214	−9,9302	1932	—	—	+ 5,16
1007	60 49 5,68	10,501	,9800	,6604	,0212	,9303	1934	− 1,89	− 1,99	− 2,37
1008	47 59 7,46	10,506	,9652	,5905	,0214	,9302	1931	− 2,06	—	+ 5,74
1009	36 30 45,01	10,520	,9325	,4949	,0221	,9300	1933	− 2,49	—	+ 1,37
1010	35 51 44,86	10,581	,9294	,4904	,0245	,9290	1936	− 1,94	—	−14,39
1011	35 49 49,40	10,585	+9,9289	+9,4904	−1,0247	−9,9290	1937	− 2,76	—	+ 0,12
1012	35 25 12,94	10,590	,9274	,4866	,0249	,9289	1938	− 3,77	—	—
1013	35 50 27,98	10,630	,9284	,4921	,0265	,9283	1941	− 3,06	—	+ 0,32
1014	35 51 33,98	10,630	,9284	,4926	,0265	,9283	1942	− 1,54	− 2,87	+ 2,09
1015	53 39 59,24	10,659	,9727	,6320	,0277	,9278	1944	− 1,42	—	+ 3,36
1016	46 5 44,17	10,679	+9,9595	+9,5844	−1,0285	−9,9275	1945	− 2,79	—	+ 2,83
1017	48 44 55,02	10,724	,9643	,6047	,0303	,9267	1949	− 6,50	—	+14,98
1018	59 33 30,10	10,719	,9768	,6638	,0301	,9268	1951	− 2,44	—	− 3,30
1019	48 33 48,50	10,733	,9638	,6038	,0307	,9266	1952	− 6,57	—	+ 2,11
1020	29 41 49,33	10,743	,9004	,4244	,0311	,9264	1950	− 2,99	—	− 4,45
1021	48 41 23,77	10,812	+9,9628	+9,6078	−1,0339	−9,9253	1955	− 4,08	—	+ 9,90
1022	48 33 38,63	10,827	,9628	,6076	,0345	,9251	1957	− 2,49	—	+10,20
1023	25 48 33,58	10,827	,8791	,3718	,0345	,9251	1956	− 3,48	− 1,81	− 0,19
1024	48 57	10,832	,9633	,6104	,0347	,9250	1958	—	—	—
1025	45 49 27,41	10,832	,9566	,5884	,0347	,9250	1959	− 1,73	—	+ 5,60
1026	48 46 25 37	10,852	+9,9628	+9,6099	−1,0355	−9,9246	1960	+ 0,20	—	− 3,81
1027	48 41 33,88	10,866	,9624	,6099	,0361	,9244	1961	− 4,86	—	+ 0,51
1028	29 30 37,70	10,886	,8981	,4275	,0369	,9241	1962	− 1,37	—	− 4,03
1029	25 50 51,49	10,896	,8785	,3751	,0372	,9239	1963	− 2,07	—	− 6,07
1030	42 1 41,13	10,910	,9464	,5618	,0378	,9237	1964	− 3,15	—	+ 0,16
1031	45 15 36,84	10,910	+9,9547	+9,5875	−1,0378	−9,9237	1965	− 1,37	—	+ 2,64
1032	34 47	10,939	,9212	,4935	,0390	,9232	1966	—	—	—
1033	47 25 32,24	10,954	,9595	,6048	,0396	,9229	1967	− 1,60	− 2,11	− 0,56
1034	56 46 34,71	10,959	,9723	,6604	,0398	,9228	1969	− 1,28	—	− 2,84
1035	59 33 58,03	10,969	,9740	,6739	,0402	,9227	1970	− 1,81	—	+ 1,08

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
1036	Argus	7	3	8 13 38,80	+ 1,971	—8,7124	+8,8924	+0,2947	+8,5584
1037	——	7	3	13 46,88	2,449	,6240	,8035	,3890	,3103
1038	——	6.7	3	13 57,08	1,885	,7300	,9090	,2753	,5923
1039	——	7	3	14 1,08	1,927	,7221	,9007	,2849	,5768
1040	——	7	3	14 10,40	1,843	,7387	,9168	,2655	,6078
1041	Argus	6.7	3	14 39,12	1,240	—8,8519	+9,0284	+0,0934	+8,7835
1042	——	7	3	14 59,29	1,788	,7523	8,9272	,2524	,6304
1043	——	7.8	3	15 1,00	1,157	,8677	9,0425	,0630	,8045
1044	——	7	3	15 13,85	2,005	,7109	8,8847	,3021	,5509
1045	——	6	2	15 18,51	2,262	,6620	8,8352	,3545	,4312
1046	Argus	7.8	3	15 18,80	1,160	—8,8690	+9,0419	+0,0645	+8,8058
1047	——	6.7	3	15 29,95	1,676	,7757	8,9484	,2243	,6690
1048	——	6.7	3	15 37,31	2,167	,6810	8,8531	,3539	,4811
1049	——	7	3	15 44,75	2,164	,6820	8,8536	,3353	,4831
1050	——	7	3	16 8,80	1,980	,7190	8,8889	,2967	,5646
1051	Argus	9	3	16 12,05	2,059	—8,7037	+8,8734	+0,3137	+8,5322
1052	——	7	3	16 21,18	2,401	,6402	,8094	,3804	,3535
1053	——	6.7	5	16	1,588	,7937	,9652	,2008	,6972
1054	——	7	3	16 21,38	1,981	,7198	,8887	,2969	,5656
1055	——	7	3	16 33,91	1,666	,7814	,9497	,2217	,6764
1056	Argus	6.7	3	16 35,90	1,182	—8,8694	+9,0377	+0,0726	+8,8052
1057	——	7	3	16 46,16	1,648	,7853	8,9531	,2170	,6825
1058	——	7	3	16 53,39	2,497	,6261	,7924	,3974	,2880
1059	——	7	3	17 12,65	2,434	,6374	,8027	,3863	,3351
1060	——	7	3	17 12,80	1,873	,7437	,9093	,2725	,6098
1061	Argus	7	3	17 18,26	1,988	—8,7214	+8,8864	+0,2984	+8,5660
1062	——	7	3	17 38,41	1,338	,8459	9,0098	,1265	,7718
1063	——	8.9	4	17 43,90	1,857	,7488	8,9122	,2688	,6179
1064	——	7.8	3	17 45,63	1,821	,7558	8,9192	,2603	,6306
1065	——	7.8	3	18 2,04	1,988	,7239	8,8862	,2984	,5693
1066	Argus	8	4	18 13,54	1,963	—8,7290	+8,8910	+0,2929	+8,5794
1067	——	6.7	3	18 26,53	1,678	,7856	,9463	,2248	,6800
1068	——	6.7	3	19 25,67	2,072	,7122	,8686	,3164	,5399
1069	——	7.8	3	19 40,64	1,516	,8210	,9766	,1807	,7332
1070	——	6.7	3	20 15,14	2,469	,6406	,7937	,3925	,3222
1071	Argus	6.7	3	20 39,24	1,516	—8,8244	+8,9763	+0,1807	+8,7371
1072	——	6.7	3	20 54,62	2,574	,6259	,7764	,4106	,2417
1073	——	6.7	3	21 6,44	2,545	,6308	,7805	,4057	,2667
1074	——	7	3	21 6,52	2,086	,7148	,8646	,3193	,5404
1075	——	6.7	4	21 7,91	1,513	,8268	,9766	,1798	,7400
1076	Argus	8	3	21 10,64	1,860	—8,7598	+8,9095	+0,2695	+8,6305
1077	——	7.8	3	21 22,26	1,874	,7577	,9066	,2728	,6262
1078	——	—	—	21	1,514	,8277	,9763	,1801	,7409
1079	——	7.8	2	21 42,36	2,028	,7284	,8757	,3071	,5678
1080	——	8	3	21 45,25	1,817	,7702	,9178	,2593	,6479

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1036	44 32 13,78	—11,047	+9,9513	+9,5874	—1,0432	—9,9214	1973	— 1,42	— 1,49	+ 1,56
1037	29 2 21,57	11,057	,8943	,4279	,0436	,9212	1974	— 2,19	——	— 3,45
1038	46 42 38,56	11,067	,9562	,6043	,0440	,9210	1975	— 2,45	——	+ 5,21
1039	45 42 18,40	11,072	,9538	,5970	,0442	,9209	1976	— 2,33	——	+ 2,15
1040	47 41 48,80	11,081	,9581	,6118	,0446	,9208	1977	— 1,69	— 2,71	+ 4,21
1041	57 39 55,40	11,110	+9,9713	+9,6754	—1,0457	—9,9203	1978	— 2,39	— 2,46	+ 3,64
1042	49 2 1,78	11,139	,9600	,6230	,0468	,9198	1980	— 1,65	——	+ 3,26
1043	59 48 53,58	11,139	,9713	,6817	,0468	,9198	1981	— 3,03	——	— 5,23
1044	43 44 59,43	11,158	,9482	,5856	,0476	,9194	1982	— 1,43	——	+ 4,65
1045	35 58 42,00	11,168	,9238	,5153	,0480	,9192	1983	— 1,96	— 1,35	+ 0,70
1046	59 48 40,29	11,173	+9,9713	+9,6830	—1,0482	—9,9192	1987	+ 7,71	——	+ 7,17
1047	51 26 23,15	11,178	,9633	,6397	,0484	,9191	1985	— 1,45	——	+ 5,18
1048	39 6 49,80	11,187	,9350	,5469	,0487	,9189	1984	— 2,35	— 2,57	+ 3,44
1049	39 12 30,90	11,197	,9345	,5482	,0491	,9187	1986	— 3,30	——	+ 5,47
1050	44 28 58,61	11,226	,9499	,5940	,0502	,9182	1989	— 2,56	——	+ 0,65
1051	42 19 41,70	11,231	+9,9440	+9,5769	—1,0504	—9,9181	1990	— 2,13	——	+ 3,00
1052	31 5 51,60	11,241	,9025	,4622	,0508	,9180	1991	— 3,32	— 2,58	— 2,06
1053	53 11 1,42	11,198	,9652	,6507	,0491	,9187	1992	——	——	— 1,23
1054	44 29 44,44	11,246	,9489	,5948	,0510	,9179	1993	— 2,14	——	+ 9,86
1055	51 43 17,05	11,255	,9628	,6444	,0513	,9177	1994	— 6,09	——	+ 6,62
1056	59 35 51,54	11,255	+9,9699	+9,6853	—1,0513	—9,9177	1996	— 2,30	——	— 6,47
1057	52 4 42,81	11,265	,9628	,6469	,0517	,9175	1995	— 5,38	——	+ 0,19
1058	27 18 29,82	11,289	,8837	,4127	,0526	,9171	1997	——	——	+ 1,05
1059	29 52 50,87	11,308	,8960	,4491	,0534	,9168	1999	— 0,71	——	+ 5,60
1060	47 16 23,77	11,304	,9547	,6174	,0532	,9169	2000	— 3,59	——	+ 1,56
1061	44 21 19,34	11,313	+9,9484	+9,5964	—1,0536	—9,9167	2001	— 1,89	——	+ 3,91
1062	57 27 49,11	11,332	,9675	,6783	,0543	,9163	2005	— 0,95	— 1,90	— 0,33
1063	47 41 54,35	11,342	,9552	,6219	,0547	,9162	2004	— 2,48	——	+ 2,05
1064	48 22 25,26	11,342	,9566	,6275	,0547	,9162	2006	— 0,54	——	+ 2,61
1065	44 27 6,74	11,361	,9479	,5989	,0554	,9158	2009	— 2,68	——	+ 2,89
1066	45 5 59,97	11,366	+9,9489	+9,6040	—1,0556	—9,9157	2010	——	— 3,62	— 7,06
1067	51 36 39,47	11,390	,9609	,6489	,0565	,9153	2011	— 2,02	——	+ 5,64
1068	42 15 7,70	11,466	,9405	,5852	,0594	,9139	2013	— 1,56	——	+ 0,05
1069	54 48 11,99	11,481	,9633	,6703	,0600	,9136	2014	+ 2,82	——	— 3,44
1070	28 41 31,85	11,524	,8887	,4413	,0616	,9128	2016	— 1,68	——	+ 3,20
1071	54 50 46,72	11,548	+9,9628	+9,6732	—1,0625	—9,9124	2021	— 2,22	— 0,02	+ 0,42
1072	24 21 56,53	11,571	,8645	,3772	,0634	,9119	2020	— 2,23	— 3,21	— 4,60
1073	25 36 26,37	11,586	,8716	,3978	,0639	,9117	2024	— 1,04	——	— 5,08
1074	41 59 59,47	11,581	,9385	,5875	,0637	,9117	2025	— 2,44	— 3,51	+ 2,80
1075	54 57 9,03	11,581	,9624	,6750	,0637	,9117	2027	— 1,60	——	+ 0,88
1076	47 54 37,82	11,586	+9,9528	+9,6326	—1,0639	—9,9117	2026	— 2,57	——	+ 6,20
1077	47 34 32,81	11,600	,9518	,6310	,0644	,9114	2028	— 1,50	——	+60,15
1078	54 57	11,605	,9619	,6759	,0646	,9113	2029	——	——	——
1079	43 42 22,81	11,628	,9430	,6030	,0655	,9109	2030	+ 0,66	——	+ 1,21
1080	48 58 18,90	11,624	,9542	,6411	,0653	,9110	2031	— 3,62	——	+ 8,93

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
1081	Argus	7.8	3	8 21 54,78	+1,352	—8,8592	+9,0060	+0,1310	+8,7859
1082	———	6	3	22 0,73	1,661	,8018	8,9480	,2204	,7001
1083	———	7	3	22 20,16	2,133	,7094	,8545	,3290	,5240
1084	———	7	3	22 23,07	1,745	,7867	,9315	,1467	,6748
1085	———	7.8	3	22 27,08	1,728	,7901	,9347	,2375	,6804
1086	Argus	6	4	22 32,83	1,668	—8,8022	+8,9463	+0,2222	+8,6999
1087	———	7.8	3	22 32,64	1,670	,8022	,9460	,2227	,6999
1088	———	7	6	22 43,34	1,528	,8296	,9731	,1841	,7421
1089	———	7.8	3	22 46,75	2,031	,7312	,8744	,3077	,5707
1090	———	7.8	8	22 54,22	1,528	,8296	,9731	,1841	,7421
1091	Argus	—	—	22	1,528	—8,8303	+8,9730	+0,1841	+8,7429
1092	———	7.8	3	22 55,11	2,137	,7107	,8532	,3298	,5247
1093	———	7	3	23 17,61	2,091	,7209	,8621	,3203	,5470
1094	———	7	3	23 19,92	1,550	,8276	,9687	,1903	,7383
1095	———	7	—	23	1,524	,8328	,9736	,1830	,7460
1096	Argus	6	3	23 41,22	2,036	—8,7331	+8,8727	+0,3088	+8,5721
1097	———	7.8	3	23 40,80	1,728	,7943	,9341	,2375	,6853
1098	———	6	3	24 1,29	1,892	,7631	,9013	,2769	,6302
1099	———	6	2	24 4,07	2,017	,7381	,8763	,3047	,5816
1100	———	7·8	3	25 28,85	1,545	,8333	,9699	,1889	,7442
1101	Argus	7	2	24 40,89	1,891	—8,7657	+8,9012	+0,2767	+8,6334
1102	———	7	3	24 48,28	2,164	,7113	,8463	,3077	,5194
1103	———	7	3	24 52,31	2,165	,7115	,8460	,3355	,5195
1104	———	7	1	25 15,43	2,020	,7409	,8749	,3053	,5844
1105	———	7	3	25 12,39	2,211	,7034	,8367	,3446	,4977
1106	G Argus	7	3	25 13,64	1,602	—8,8241	+8,9578	+0,2047	+8,7304
1107	———	6.7	4	25 28,74	1,551	,8349	,9676	,2175	,7465
1108	———	6.7	4	25 30,78	2,211	,7042	,8363	,3446	,6961
1109	———	7.8	3	25 34,14	1,767	,7937	,9254	,2472	,6807
1110	———	7	3	25 49,11	1,573	,8319	,9632	,1967	,7415
1111	Argus	7.8	4	26 2,99	2,213	—8,7056	+8,8356	+0,3450	+8,5002
1112	———	6.7	3	26 5,93	1,903	,7679	,8979	,2794	,6345
1113	———	7	3	26 19,34	1,985	,7519	,8811	,2978	,6034
1114	Pixid. Naut.	6.7	3	26 37,04	2,424	,6673	,7950	,3845	,3794
1115	———	7	2	26 43,40	2,343	,6825	,8099	,3698	,4314
1116	Argus	7.8	3	27 29,38	1,835	—8,7861	+8,9106	+0,2636	+8,6645
1117	———	6.7	3	27 38,31	1,666	,8204	,9441	,2217	,7210
1118	———	6	3	27 42,61	2,224	,7082	,8319	,3471	,5006
1119	———	7.8	5	27 43,26	1,992	,7553	,8787	,2993	,6066
1120	———	7.8	3	27 46,74	1,920	,7699	,8933	,2833	,6346
1121	Argus	7	3	28 6,84	2,083	—8,6982	+8,8200	+0,3617	+8,4714
1122	———	7.8	3	28 15,64	1,975	,7604	,8817	,2956	,6152
1123	———	7	3	28 25,00	1,569	,8418	,9626	,1956	,7530
1124	———	6.7	2	28 26,83	2,261	,7005	,8250	,3543	,4808
1125	———	7	3	28 33,24	1,550	,8457	,9663	,1903	,7578

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1081	57 36 35,06	—11,638	+9,9638	+9,6906	—1,0659	—9,9107	2033	— 1,61	—	+ 2,54
1082	52 16 58,81	11,647	,9586	,6626	,0662	,9105	2034	— 2,43	—	— 0,58
1083	40 43 7,05	11,666	,9345	,5796	,0669	,9101	2035	— 3,69	—	— 6,29
1084	50 36 11,59	11,671	,9557	,6533	,0671	,9100	2036	— 2,29	—	— 5,75
1085	50 56 54,41	11,67	,9562	,6557	,0673	,9100	2037	— 1,35	—	+ 3,13
1086	52 10 33,95	11,685	+9,9581	+9,6634	—1,0676	—9,9098	2039	— 0,87	—	+ 6,49
1087	52 9 36,14	11,690	,9581	,6635	,0678	,9097	2040	+ 4,99	—	+49,20
1088	54 50 16,17	11,695	,9609	,6785	,0680	,9096	2042	— 1,42	—	+ 2,76
1089	43 41 36,72	11,700	,9420	,6058	,0682	,9095	2041	— 1,67	—	— 7,31
1090	54 48 25,64	11,695	,9609	,6785	,0680	,9096	2044	— 3,75	—	+ 8,25
1091	54 49	11,709	+9,9609	+9,6792	—1,0685	—9,9093	2045	—	—	—
1092	40 38 45,68	11,714	,9335	,5808	,0687	,9092	2043	— 3,58	—	— 1,91
1093	42 3 26,01	11,737	,9370	,5937	,0696	,9088	2046	— 2,51	— 3,88	+ 1,38
1094	54 29 0,99	11,737	,9600	,6783	,0696	,9088	2049	— 3,17	—	+14,04
1095	54 57	11,742	,9605	,6810	,0697	,9087	2050	—	—	—
1096	43 37 40,59	11,766	+9,9410	+9,6077	—1,0706	—9,9082	2051	— 3,07	— 2,40	— 4,57
1097	51 14 24,66	11,761	,9557	,6595	,0704	,9083	2052	— 3,12	—	—9,55,54
1098	47 23 48,71	11,789	,9489	,6366	,0715	,9078	2056	— 2,13	— 1,21	+ 2,77
1099	44 11 31,27	11,789	,9420	,6130	,0715	,9078	2054	—	— 3,44	—
1100	54 39 21,48	11,818	,9590	,6823	,0725	,9072	2059	+61,11	—	+ 10,02
1101	47 29 31,74	11,836	+9,9484	+9,6390	—1,0732	—9,9068	2060	— 1,94	—	+ 5,44
1102	39 58 40,87	11,846	,9294	,5797	,0736	,9067	2061	— 2,16	—	— 4,93
1103	39 57 56,15	11,855	,9294	,5799	,0739	,9065	2062	— 2,75	—	— 5,05
1104	44 12 2,17	11,865	,9410	,6158	,0742	,9063	2063	—13,53	—	—26,23
1105	38 31 26,32	11,874	,9253	,5671	,0746	,9061	2064	— 3,18	—	— 0,49
1106	53 40 37,19	11,869	+9,9571	+9,6788	—1,0744	—9,9062	2065	— 2,57	— 0,10	+ 4,21
1107	54 39 23,93	11,888	,9581	,6848	,0751	,9058	2067	— 3,01	— 0,13	— 6,66
1108	38 31 32,51	11,897	,9248	,5682	,0754	,9056	2066	— 1,55	—	+11,99
1109	50 26 8,20	11,902	,9523	,6608	,0756	,9055	2069	—	—	— 1,03
1110	54 17 28,78	11,912	,9571	,6836	,0760	,9054	2070	— 5,07	—	— 4,74
1111	38 31 35,87	11,935	+9,9243	+9,5695	—1,0768	—9,9049	2071	— 2,72	—	+ 5,96
1112	47 19 41,40	11,935	,9469	,6415	,0768	,9049	2072	— 1,63	—	+ 4,67
1113	45 14 46,61	11,949	,9420	,6269	,0773	,9046	2074	— 3,70	—	+ 1,34
1114	30 59 34,21	11,977	,8949	,4885	,0783	,9040	2076	— 0,38	— 1,40	+ 9,04
1115	34 5 30,68	11,982	,9079	,5255	,0785	,9040	2077	— 2,96	— 2,74	— 0,86
1116	49 3 29,55	12,033	+9,9484	+9,6568	—1,0804	—9,9029	2080	— 2,63	—	+ 1,37
1117	52 40 10,78	12,047	,9538	,6796	,0809	,9026	2083	—	—	+ 2,37
1118	38 18 13,59	12,047	,9222	,5714	,0809	,9026	2081	— 3,38	— 2,93	+ 7,28
1119	45 12 38,12	12,053	,9410	,6304	,0810	,9025	2082	— 1,70	—	— 2,34
1120	47 3 42,58	12,053	,9445	,6438	,0810	,9025	2084	— 2,87	—	+ 3,73
1121	36 21 45,52	12,079	+9,9149	+9,5533	—1,0820	—9,9020	2085	—	—	+ 0,76
1122	45 42 11,38	12,089	,9415	,6353	,0824	,9018	2086	— 1,83	—	— 0,66
1123	55 34 51,85	12,098	,9547	,6920	,0827	,9016	2089	— 1,93	—	— 0,49
1124	37 3 52,55	12,033	,9180	,5587	,0804	,9029	2079	—63,26	—	— 2,15
1125	55 55 35,83	12,103	,9547	,6941	,0829	,9015	2091	— 3,37	—	— 2,57

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
1126	Argus	7.8	3	8 28 51,35	+ 2,000	—8,7570	+8,8762	+0,3010	+8,6072
1127	——	7	3	29 7,07	2,051	,7475	,8657	,3120	,5872
1128	——	6.7	3	29 20,11	2,195	,7192	,8363	,3414	,5221
1129	——	6.7	3	29 40,25	1,684	,8236	,9396	,2263	,7232
1130	——	6.7	3	29 44,16	1,779	,8051	,9207	,2502	,6930
1131	C Argus	6	3	29 50,38	1,830	—8,7949	+8,9102	+0,2624	+8,6754
1132	——	7.8	3	30 17,55	1,931	,7758	,8893	,2858	,6402
1133	——	8	3	30 42,49	1,749	,8141	,9260	,2428	,7064
1134	——	7.8	3	30 45,99	1,975	,7685	,8801	,2956	,6251
1135	E ——	6	3	31 5,50	1,790	,8072	,9175	,2528	,6942
1136	Argus	7.8	3	31 16,58	1,584	—8,8481	+8,9584	+0,1998	+8,7591
1137	——	7	2	31 30,55	2,065	,7523	,8611	,3149	,5908
1138	——	7.8	3	31 30,98	1,939	,7782	,8870	,2876	,6421
1139	e^1 ——	6	3	31 32,56	1,401	,8843	,9930	,1464	,8112
1140	e^2 ——	6	3	31 33,16	1,414	,8819	,9906	,1504	,8078
1141	Argus	7	3	31 35,29	1,919	—8,7826	+8,8909	+0,2831	+8,6526
1142	——	—	—	31	1,443	,8764	,9851	,1593	,8000
1143	——	7.8	4	32 11,85	1,863	,7959	,9021	,2702	,6729
1144	Pixid. Naut.	7	3	33 0,72	2,498	,6724	,7749	,3976	,3515
1145	Argus.	7.8	3	33 2,54	1,839	,8037	,9065	,2646	,6850
1146	Pixid. Naut.	7	3	33 15,04	2,305	—8,7090	+8,8108	+0,3627	+8,4789
1147	Argus	7.8	3	33 26,38	1,602	,8525	,9537	,2047	,7629
1148	——	6.7	3	34 12,13	1,704	,8347	,9331	,2315	,7345
1149	——	8.9	2	34 39,51	2,135	,7476	,8439	,3293	,5716
1150	——	7	3	34 39,99	2,134	,7479	,8441	,3292	,5721
1151	Argus	6.7	3	34 54,10	1,691	—8,8400	+8,9355	+0,2281	+8,7417
1152	——	8	3	35 0,91	2,137	,7483	,8433	,3298	,5721
1153	——	7	3	35 5,75	1,916	,7945	,8893	,2824	,6649
1154	——	6	3	35 8,18	2,040	,7688	,8635	,3096	,6156
1155	——	—	—	35	1,711	,8369	,9311	,2332	,7365
1156	Argus	5.6	5	35 23,94	1,712	—8,8371	+8,9308	+0,2335	+8,7365
1157	——	7.8	3	35 26,48	1,765	,8266	,9200	,2467	,7195
1158	——	7	3	35 35,50	1,673	,8456	,9385	,2235	,7496
1159	——	5.6	4	35 42,58	1,720	,8365	,9290	,2355	,7352
1160	o ——	6	3	35 43,20	1,716	,8375	,9299	,2345	,7368
1161	Pixid. Naut.	7	2	35 43,82	2,427	—8,6926	+8,7847	+0,3851	+8,4129
1162	Argus	7	3	35 44,70	1,927	,7943	8,8865	,2849	,6632
1163	——	6.7	3	35 49,28	1,285	,9204	9,0126	,1089	,8570
1164	——	7.8	2	35 52,09	1,934	,7931	8,8850	,2865	,6608
1165	——	6.7	3	35 58,64	1,964	,7873	8,8786	,2931	,6497
1166	Argus	6	3	36 1,04	1,900	—8,8005	+8,8919	+0,2787	+8,6741
1167	——	7	3	36 3,31	1,954	,7894	,8806	,2909	,6537
1168	——	7	2	36 6,32	2,051	,7695	,8604	,3120	,6147
1169	——	5.6	3	36 30,87	2,037	,7740	,8628	,3090	,6225
1170	——	6.7	3	36 49,00	1,474	,8887	,9770	,1685	,8123

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1126	45 5 19,80	—12,126	+9,9395	+9,6320	—1,0837	—9,9010	2092	— 3,24	——	+ 5,72
1127	43 43 11,80	12,145	,9365	,6221	,0844	,9006	2093	— 3,53	——	— 1,33
1128	39 25 25,17	12,163	,9243	,5860	,0850	,9002	2094	— 2,84	— 5,26	— 0,82
1129	52 31 22,80	12,182	,9513	,6834	,0857	,8998	2095	— 1,83	——	+ 4,15
1130	50 32 41,00	12,191	,9489	,6719	,0860	,8997	2097	— 0,76	——	+ 2,12
1131	49 23 41,36	12,196	+9,9464	+9,6648	—1,0862	—9,8996	2099	— 1,50	— 2,10	+ 0,64
1132	47 1 12,62	12,228	,9425	,6498	,0873	,8989	2101	— 2,14	——	+ 3,73
1133	51 16 10,81	12,256	,9484	,6786	,0883	,8983	2103	— 2,85	——	+ 2,69
1134	45 56 55,35	12,269	,9400	,6433	,0885	,8982	2104	— 2,53	——	+ 4,18
1135	50 25 2,23	12,283	,9469	,6744	,0893	,8977	2106	— 2,69	— 3,65	— 1,14
1136	54 33 0,23	12,283	+9,9523	+9,6984	—1,0893	—9,8977	2107	— 9,37	——	+ 0,46
1137	43 33 30,76	12,311	,9335	,6268	,0903	,8971	2108	— 3,30	——	+ 1,20
1138	46 56 40,80	12,311	,9410	,6523	,0903	,8971	2109	— 3,60	——	+ 3,79
1139	57 40 17,31	12,311	,9538	,7153	,0903	,8971	2113	— 2,42	— 3,54	+ 1,19
1140	57 27 24,44	12,311	,9533	,7143	,0903	,8971	2112	— 3,77	— 3,14	+ 3,17
1141	47 26 34,91	12,315	+9,9415	+9,6559	—1,0904	—9,8970	2110	— 2,31	——	+ 3,60
1142	56 59	12,311	,9533	,7120	,0903	,8971	2111	——	——	——
1143	48 52 3,61	12,357	,9435	,6670	,0919	,8961	2115	— 3,86	——	+ 9,60
1144	28 31 7,70	12,421	,8779	,4714	,0942	,8947	2120	— 0,53	+ 1,59	+ 3,95
1145	49 31 20,17	12,417	,9440	,6733	,0940	,8948	2121	— 1,52	——	+ 1,14
1146	36 2 49,86	12,436	+9,9096	+9,5626	—1,0946	—9,8944	2123	— 2,12	— 3,56	— 0,33
1147	54 26 6,74	12,444	,9494	,7034	,0949	,8942	2126	— 1,62	——	— 3,28
1148	52 31 42,39	12,494	,9469	,6945	,0967	,8931	2130	— 1,31	——	+ 1,97
1149	41 47 17,46	12,531	,9258	,6200	,0980	,8923	2133	— 2,68	——	— 0,53
1150	41 49 31,04	12,531	,9263	,6203	,0980	,8923	2134	— 2,20	— 3,84	— 2,12
1151	52 52 32,90	12,544	+9,9464	+9,6983	—1,0984	—9,8920	2138	— 2,61	——	+ 2,85
1152	41 46 28,68	12,553	,9258	,6207	,0988	,8918	2137	— 3,38	——	+ 3,90
1153	47 52 46,36	12,558	,9390	,6674	,0989	,8917	2139	— 2,54	——	+ 3,95
1154	44 37 30,06	12,558	,9330	,6438	,0989	,8917	2140	— 2,67	——	+ 1,17
1155	52 29	12,567	,9455	,6969	,0992	,8915	2142	——	——	——
1156	52 29 21,30	12,576	+9,9455	+9,6971	—1,0995	—9,8913	2143	— 1,50	——	+ 1,47
1157	51 22 32,14	12,581	,9440	,6907	,0997	,8912	2144	— 2,12	——	+ 5,35
1158	53 17 2,85	12,590	,9460	,7021	,1000	,8910	2146	— 1,85	——	+ 2,52
1159	52 21 19,94	12,599	,9450	,6971	,1003	,8908	2148	— 2,39	— 2,04	+ 5,23
1160	52 26 57,29	12,599	,9450	,6977	,1003	,8908	2149	— 1,26	— 1,47	+ 3,61
1161	31 39 39,56	12,603	+9,8904	+9,5189	—1,1005	—9,8907	2145	— 1,63	——	— 4,15
1162	47 39 24,42	12,603	,9380	,6675	,1005	,8907	2147	— 2,02	——	+ 2,67
1163	59 45 11,73	12,603	,9499	,7351	,1005	,8907	2153	— 2,52	——	— 2,61
1164	47 29 54,60	12,608	,9375	,6665	,1006	,8906	2152	— 2,62	——	+ 5,99
1165	46 44 54,71	12,617	,9360	,6615	,1009	,8904	2154	— 1,58	— 2,99	+ 3,69
1166	48 21 12,38	12,617	+9,9390	+9,6726	—1,1009	—9,8904	2155	— 3,48	——	+ 4,25
1167	47 0 21,29	12,621	,9365	,6634	,1011	,8903	2156	— 2,42	——	+ 1,01
1168	44 25 22,34	12,626	,9315	,6445	,1013	,8902	2157	— 3,05	——	+ 2,36
1169	44 50 27,62	12,662	,9320	,6490	,1025	,8894	2158	+ 4,97	——	+ 1,45
1170	56 58 36,96	12,671	,9474	,7245	,1028	,8892	2159	— 3,51	— 3,18	+ 1,47

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
1171	*d* Argus	6	3	8 37 4,60	+ 1,332	—8,9163	+9,0036	+0,1245	+8,8504
1172	E ———	6	3	37 5,90	1,937	,7961	8,8834	,2871	,6641
1173	———	7.8	2	37 11,93	1,720	,8414	8,9282	,2355	,7410
1174	———	7.8	3	37 24,77	1,937	,7975	8,8832	,2871	,6658
1175	———	7	3	37 30,30	1,990	,7867	8,8721	,2988	,6455
1176	Argus	7.8	2	37 33,69	1,727	—8,8414	+8,9266	+0,2373	+8,7404
1177	———	7	3	37 41,18	2,036	,7775	,8621	,3088	,6270
1178	———	6.7	4	37 44,08	1,721	,8430	,9277	,2358	,7428
1179	———	6.7	3	37 50,52	1,721	,8435	,9276	,2358	,7433
1180	———	7.8	3	38 4,02	1,953	,7958	,8795	,2907	,6617
1181	Argus	7.8	3	38 11,87	2,293	—8,7256	+8,8082	+0,3604	+8,5048
1182	———	7.8	3	38 22,53	1,693	,8509	,9330	,2287	,7543
1183	———	9	3	38 23,50	1,970	,7935	,8756	,2945	,6566
1184	———	8	3	38 28,24	1,994	,6889	,8704	,2997	,6475
1185	D ———	6.7	3	38 38,07	2,433	,6992	,7803	,3861	,4195
1186	Argus	6	3	38 39,95	1,874	—8,8145	+8,8956	+0,2728	+8,6940
1187	———	7.8	3	38 40,03	1,768	,8364	,9174	,2475	,7308
1188	———	6.7	4	38 42,05	2,305	,7245	,8053	,3627	,4998
1189	———	7.8	3	38 49,03	1,778	,8348	,9153	,2499	,7280
1190	———	7.8	3	39 2,77	1,706	,8501	,9298	,2320	,7522
1191	Pixid. Naut.	7	3	39 18,85	2,567	—8,6773	+8,7554	+0,4094	+8,3200
1192	Argus	8	3	39 19,17	1,952	,8004	,8786	,2905	,6675
1193	Pixid Naut.	6.7	3	39 26,22	2,437	,7008	,7785	,3869	,4201
1194	Argus	—	—	39	1,955	,8023	,8775	,2911	,6695
1195	———	8	3	40 11,86	1,735	,8483	,9235	,2393	,7479
1196	Pixid. Naut.	7	3	40 28,29	2,378	—8,7150	+8,7889	+0,3762	+8,4631
1197	Argus	6.7	3	40 32,66	2,194	,7529	,8265	,3412	,5660
1198	*a* ———	6	3	40 36,93	2,030	,7878	,8612	,3075	,6410
1199	———	7.8	3	40 48,87	2,150	,7630	,8356	,3324	,5885
1200	———	7.8	3	41 2,96	1,976	,8007	,8723	,2958	,6648
1201	Argus	7.8	3	41 4,57	1,745	—8,8492	+8,9208	+0,2418	+8,7481
1202	———	6.7	3	41 4,68	2,036	,7878	,8594	,3088	,6400
1203	———	7.8	3	41 18,16	1,427	,9128	,9838	,1544	,8420
1204	Pixid. Naut.	7	3	41 24,93	2,411	,7112	,7812	,3822	,4453
1205	Argus	7	2	41 28,89	1,599	,8802	,9503	,2038	,7952
1206	Argus	6.7	5	41 41,60	2,156	—8,7641	+8,8334	+0,3336	+8,5887
1207	———	—	—	41	2,156	,7647	,8334	,3336	,5895
1208	———	6.7	3	41 53,50	2,031	,7914	,8599	,3077	,6453
1209	———	8	3	42 13,27	2,130	,7717	,8387	,3284	,5037
1210	———	6.7	5	42 23,24	2,159	,7660	,8322	,3342	,5907
1211	Argus	7.8	3	42 26,76	1,800	—8,8420	+8,9085	+0,2553	+8,7347
1212	*f* ———	6	3	42 34,28	1,554	,8926	,9586	,1914	,8122
1213	———	7.8	3	42 44,78	2,162	,7663	,8312	,3349	,5904
1214	Pixid. Naut.	7.8	4	42 52,23	2,475	,7027	,7673	,3936	,4062
1215	Argus	7	3	43 18,60	1,761	,8530	,9161	,2458	,7512

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a′	b′	c′	d′		M.C.	T.	
	° ′ ″	″						s.	s.	″
1171	59 11 28,48	−12,689	+9,9479	+9,7356	−1,1034	−9,8887	2163	—	− 1,35	+ 5,53
1172	47 31 35,22	12,689	,9365	,6695	,1034	,8887	2161	− 4,29	—	+ 4,62
1173	52 29 29,84	12,698	,9435	,7014	,1037	,8885	2162	− 3,43	—	+ 6,43
1174	47 35 25,50	12,716	,9360	,6708	,1044	,8881	2164	− 2,48	—	+ 1,97
1175	46 14 12,25	12,721	,9335	,6613	,1045	,8880	2165	− 2,29	—	+ 4,61
1176	52 23 45,94	12,725	+9,9430	+9,7017	−1,1047	−9,8879	2166	− 1,32	—	+ 2,92
1177	44 59 16,46	12,734	,9309	,6525	,1050	,8877	2167	− 2,36	—	+ 1,66
1178	52 31 39,75	12,734	,9430	,7028	,1050	,8877	2168	− 2,76	− 2,12	+ 3,18
1179	52 32 28,82	12,743	,9430	,7032	,1053	,8875	2169	− 2,04	− 1,47	+ 5,93
1180	47 13 54,96	12,752	,9350	,6695	,1056	,8873	2170	− 7,33	—	+ 1,40
1181	36 56 59,16	12,770	+9,9085	+9,5834	−1,1062	−9,8869	2172	− 2,81	− 1,40	+ 1,27
1182	53 10 30,78	12,779	,9430	,7080	,1065	,8867	2174	− 2,60	—	−12,59
1183	46 49 35,00	12,779	,9340	,6676	,1065	,8867	2173	− 1,39	—	+ 6,99
1184	46 13 20,64	12,788	,9325	,6635	,1068	,8865	2175	− 2,49	—	+ 3,11
1185	31 40 0,83	12,797	,8882	,5255	,1071	,8863	2176	− 3,29	—	− 6,19
1186	49 14 44,77	12,797	+9,9375	+9,6847	−1,1071	−9,8863	2180	− 3,19	− 3,40	+ 3,26
1187	51 38 1,08	12,801	,9405	,6996	,1071	,8863	2181	− 2,64	—	+ 7,08
1188	36 34 7,78	12,801	,9063	,5806	,1073	,8861	2178	− 2,81	− 2,31	+ 3,95
1189	51 25 42,56	12,806	,9405	,6987	,1074	,8860	2183	− 2,99	—	+ 1,76
1190	52 56 44,89	12,820	,9415	,7081	,1079	,8857	2185	− 5,09	—	+ 2,53
1191	26 1 54,86	12,851	+9,8615	+9,4496	−1,1089	−9,8850	2190	—	—	− 2,80
1192	47 24 25,01	12,847	,9340	,6740	,1088	,8851	2189	− 1,74	—	−22,41
1193	31 34 59,13	12,855	,8876	,5265	,1091	,8849	2188	− 2,66	—	+ 0,24
1194	47 25	12,900	,9335	,6758	,1106	,8838	2191	—	—	—
1195	52 29 55,98	12,900	,9400	,7082	,1106	,8838	2192	− 1,57	—	− 0,25
1196	34 2 19,76	12,922	+9,8965	+9,5575	−1,1113	−9,8833	2193	− 3,19	—	+ 3,22
1197	40 32 35,48	12,927	,9175	,6227	,1115	,8832	2197	—	− 3,12	− 0,09
1198	45 27 33,08	12,931	,9289	,6628	,1116	,8831	2198	− 2,95	− 2,97	+ 0,40
1199	41 58 57,32	12,945	,9206	,6357	,1121	,8828	2199	− 2,53	—	− 3,85
1200	46 57 57,41	12,962	,9309	,6748	,1127	,8823	2201	− 2,27	—	+ 1,63
1201	52 23 19,91	12,962	+9,9390	+9,7096	−1,1127	−9,8823	2203	− 1,79	—	− 1,89
1202	45 19 43,83	12,962	,9279	,6629	,1127	,8823	2200	− 4,11	− 2,14	+ 3,53
1203	58 8 27,17	12,971	,9430	,7403	,1130	,8821	2206	− 3,97	3,42	+ 1,47
1204	32 48 39,83	12,989	,8910	,5458	,1136	,8817	2204	—	—	+ 8,46
1205	55 16 36,60	12,989	,9410	,7266	,1136	,8817	2207	− 1,00	—	− 7,16
1206	41 51 58,78	13,002	+9,9196	+9,6366	−1,1140	−9,8814	2208	− 3,17	—	+ 2,56
1207	41 53	13,011	,9196	,6372	,1143	,8811	2210	—	—	—
1208	45 34 9,02	13,015	,9279	,6664	,1145	,8810	2212	− 2,01	—	+ 3,06
1209	42 46 1,46	13,038	,9217	,6454	,1152	,8805	2213	− 2,22	− 1,36	+ 6,25
1210	41 52 30,87	13,055	,9191	,6385	,1158	,8801	2214	+ 1,33	—	+ 0,84
1211	51 19 57,07	13,051	+9,9365	+9,7064	−1,1156	−9,8802	2215	− 3,43	—	− 2,02
1212	56 11 0,49	13,060	,9400	,7336	,1159	,8800	2217	− 2,05	− 2,75	+ 2,11
1213	41 48 40,21	13,078	,9180	,6387	,1165	,8795	2220	+ 0,34	—	+ 1,74
1214	30 20 31,37	13,082	,8791	,5183	,1167	,8794	2219	− 3,58	—	−15,70
1215	52 15 40,85	13,108	,9360	,7138	,1175	,8788	2225	− 1,88	—	+ 0,59

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
1216	Argus	7	4	8 43 38,02	+ 2,134	—8,7750	+8,8364	+0,3292	+8,6072
1217	———	7.8	3	43 50,41	2,264	,7477	,8085	,3549	,6425
1218	———	7.8	3	43 55,58	2,152	,7715	,8323	,3328	,5991
1219	———	7.8	3	44 43,61	2,092	,7869	,8444	,3206	,6298
1220	———	7.8	3	44 47,96	2,140	,7769	,8341	,3304	,6085
1221	Argus	7.8	3	45 8,29	2,283	—8,7474	+8,8033	+0,3585	+8,5372
1222	Pixid. Naut.	8	3	45 9,85	2,555	,6941	,7499	,4074	,3521
1223	———	—	—	45	1,705	,8703	,9268	,2317	,7762
1224	Argus	8	3	45 35,92	1,817	,8486	,9030	,2593	,7410
1225	———	6.7	3	46 0,74	2,217	,7638	,8164	,3458	,5754
1226	Argus	—	—	46	1,704	—8,8735	+8,9264	+0,2315	+8,7801
1227	———	6.7	3	46 23,13	2,343	,7382	,7893	,3698	,5070
1228	———	8.9	3	46 41,65	2,163	,7771	,8270	,3351	,6040
1229	———	7.8	3	46 41,66	2,285	,7514	,8013	,3589	,5422
1230	———	7	3	47 23,25	1,971	,8210	,8686	,2947	,6906
1231	Argus	6.7	3	47 26,36	2,008	—8,8132	+8,8605	+0,3028	+8,6760
1232	———	6	3	47 31,54	1,534	,9132	,9600	,1858	,8370
1233	———	7	3	47 50,44	1,818	,8557	,9013	,2596	,7496
1234	———	7	3	47 52,03	2,239	,7643	,8099	,3500	,5712
1235	———	6	3	48 29,24	2,008	,8164	,8596	,3028	,6800
1236	Pixid. Naut.	7.8	3	48 35,17	2,412	—8,7301	+8,7729	+0,3824	+8,4726
1237	Argus	7	3	48 48,62	1,598	,9046	,9466	,2036	,8235
1238	———	8	3	49 12,96	1,843	,8544	,8949	,2655	,7456
1239	———	7	3	49 42,49	2,102	,7995	,8379	,3226	,6445
1240	———	7	3	50 7,58	2,339	,7491	,7861	,3690	,5239
1241	Argus	6.7	3	50 8,89	1,380	—8,9524	+8,9888	+0,1399	+8,8889
1242	———	9	1	50 51,45	2,164	,7893	,8232	,3353	,6204
1243	———	6.7	3	50 51,41	1,518	,9272	,9614	,1813	,8540
1244	———	7.8	3	50 53,14	1,856	,8569	,8909	,2686	,7473
1245	C ———	5.6	3	51 25,03	1,368	,9583	,9907	,1361	,8960
1246	H Argus	6	3	51 29,44	1,810	—8,8688	+8,9007	+0,2576	+8,7661
1247	———	8	3	51 46,37	2,135	,7981	,8289	,3294	,6372
1248	———	7 8	3	51 47,58	1,940	,8412	,8702	,2878	,7195
1249	———	8.9	3	52 1,54	1,333	,9671	,9971	,1248	,9072
1250	Pixid. Naut.	6.7	3	52 28,37	2,546	,7139	,7417	,4059	,3884
1251	Argus	6	3	52 37,68	1,987	—8,8335	+8,8611	+0,2982	+8,7045
1252	b^1 ———	6.7	3	53 3,50	1,472	,9435	,9696	,1679	,8749
1253	———	8	3	53 8,47	1,473	,9437	,9695	,1682	,8751
1254	———	7.8	3	53 23,33	1,925	,8494	,8742	,2844	,7314
1255	———	5.6	3	53 26,98	2,040	,8240	,8486	,3096	,6856
1256	Argus	7.8	3	54 1,36	2,004	—8,8338	+8,8561	+0,3019	+8,7027
1257	———	8.9	3	54 18,71	1,735	,8936	,9149	,2393	,8018
1258	———	6.7	3	54 30,61	2,318	,7653	,7858	,3651	,5529
1259	———	7	3	54 33,25	2,180	,7959	,8161	,3385	,6261
1260	———	7.8	3	54 45,09	1,880	,8636	,8831	,2742	,7535

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
1216	42 46 44,05	—13,139	+9,9196	+9,6488	—1,1186	—9,8780	2229	+ 1,01	—	+ 5,80
1217	38 32 58,61	13,148	,9079	,6117	,1189	,8778	2230	— 1,18	—	+ 3,08
1218	42 13 51,18	13,148	,9180	,6445	,1189	,8778	2231	— 4,00	—	— 0,41
1219	44 7 34,76	13,205	,9217	,6618	,1207	,8763	2236	— 0,67	—	— 0,46
1220	42 43 1,97	13,210	,9185	,6506	,1209	,8762	2237	— 0,35	—	+11,91
1221	38 2 7,41	13,232	+9,9058	+9,6095	—1,1216	—9,8757	2239	—	— 3,17	+ 6,74
1222	27 2 37,02	13,236	,8621	,4778	,1217	,8756	2238	— 2,41	— 3,51	— 2,14
1223	53 36	13,223	,9355	,7253	,1213	,8759	2240	—	—	—
1224	51 18 0,59	13,258	,9325	,7130	,1225	,8750	2242	— 2,39	—	+ 3,20
1225	40 23 17,51	13,288	,9112	,6332	,1235	,8742	2244	— 3,95	—	— 4,69
1226	53 44	13,284	+9,9350	+9,7280	—1,1233	—9,8743	2245	—	—	—
1227	35 56 40,70	13,314	,8976	,5913	,1243	,8736	2247	— 2,86	— 3,05	— 1,62
1228	42 9 3,84	13,336	,9159	,6500	,1250	,8730	2246	— 3,07	—	— 3,00
1229	38 7 21,50	13,336	,9042	,6139	,1250	,8730	2249	— 2,28	— 2,44	+ 3,89
1230	47 45 22,85	18,376	,9253	,6940	,1263	,8720	2252	— 3,15	— 3,39	+ 4,05
1231	46 47 29,42	13,380	+9,9243	+9,6874	—1,1264	—9,8719	2253	— 1,30	—	+ 5,37
1232	57 1 58,99	13,388	,9345	,7486	,1267	,8716	2256	— 1,88	— 2,07	+ 3,10
1233	51 31 34,35	13,410	,9304	,7193	,1274	,8711	2259	— 1,28	—	+ 3,67
1234	39 50 38,96	13,410	,9079	,6324	,1274	,8711	2258	— 2,98	— 2,82	— 0,01
1235	46 54 51,57	13,449	,9227	,6904	,1287	,8700	2262	— 2,75	— 3,40	+ 1,12
1236	33 31 55,74	13,458	+9,8870	+9,5695	—1,1290	—9,8698	2261	— 3,82	— 0,59	+ 2,93
1237	56 2 46,17	13,471	,9325	,7464	,1294	,8695	2265	— 2,55	— 2,25	+ 1,38
1238	51 5 35,45	13,496	,9279	,7195	,1302	,8688	2266	— 2,65	—	+ 3,48
1239	44 25 57,17	13,531	,9170	,6744	,1313	,8679	2272	— 3,25	—	+ 2,18
1240	36 30 39,28	13,557	,8960	,6050	,1321	,8672	2273	— 2,43	—	— 2,14
1241	59 44 48,20	13,565	+9,9320	+9,7670	—1,1324	—9,8669	2274	— 2,63	— 2,52	— 4,23
1242	42 38 30,52	13,608	,9117	,6629	,1338	,8658	2277	+ 1,40	—	+ 3,01
1243	57 37 45,69	13,604	,9309	,7585	,1337	,8659	2279	— 4,10	— 1,69	+ 2,86
1244	50 58 36,45	13,604	,9263	,7222	,1337	,8659	2278	— 3,16	—	— 5,02
1245	60 2 8,61	13,634	,9304	,7704	,1346	,8651	2281	— 3,00	— 2,20	+ 0,89
1246	52 6 39,59	13,642	+9,9263	+9,7303	—1,1349	—9,8648	2280	— 1,67	— 2,35	— 0,86
1247	43 38 58,72	13,659	,9133	,6726	,1354	,8644	2282	— 3,53	—	+ 4,44
1248	49 3 57,18	13,659	,9227	,7118	,1354	,8644	2285	— 1,90	—	+ 1,94
1249	60 35 36,66	13,672	,9294	,7741	,1358	,8640	2288	— 3,26	—	—10,89
1250	28 11 14,20	13,710	,8615	,5096	,1370	,8629	2289	— 1,08	— 3,72	+ 4,27
1251	47 57 19,26	13,715	+9,9206	+9,7060	—1,1372	—9,8628	2291	— 2,42	—	+ 4,62
1252	58 36 45,13	13,740	,9284	,7674	,1380	,8621	2293	— 2,31	— 3,24	+ 7,72
1253	58 36 33,08	13,745	,9284	,7676	,1381	,8620	2294	— 0,99	— 3,91	+ 0,03
1254	49 37 57,64	13,761	,9217	,7187	,1387	,8615	2295	— 4,25	— 3,26	— 2,92
1255	46 37 1,21	13,766	,9170	,6984	,1388	,8614	2296	— 2,42	— 2,38	+ 3,28
1256	47 40 8,80	13,804	+9,9180	+9,7070	—1,1400	—9,8603	2299	— 2,75	— 4,17	+ 1,10
1257	54 0 50,46	13,821	,9248	,7467	,1405	,8598	2303	— 1,49	—	+ 0,19
1258	37 47 44,58	13,833	,8960	,6266	,1409	,8595	2304	—	— 3,00	+ 7,56
1259	42 33 0,98	13,838	,9079	,6694	,1411	,8594	2305	— 2,33	— 3,20	+ 4,22
1260	50 52 58,25	13,850	,9212	,7294	,1415	,8590	2306	— 2,42	—	— 1,91

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
1261	Argus	7	3	8 54 47,21	+1,959	—8,8461	+8,8655	+0,2920	+8,7235
1262	———	6.7	4	55 25,07	2,223	,7887	,8057	,3469	,6080
1263	b^2 ———	6.7	3	55 28,59	1,496	,9467	,9636	,1749	,8774
1264	———	7.8	3	55 37,18	1,882	,8658	,8820	,2746	,7560
1265	———	8	3	55 46,29	1,929	,8557	,8716	,2853	,7389
1266	Argus	7.8	3	55 58,87	2,296	—8,7741	+8,7890	+0,3610	+8,5711
1267	Pixid. Naut.	7	3	56 8,65	2,622	,7086	,7227	,4186	,3329
1268	Argus	7.8	3	56 16,80	1,969	,8485	,8621	,2942	,7255
1269	———	7	4	56 16,47	1,965	,8492	,8629	,2934	,7268
1270	———	7.8	3	56 42,40	2,203	,7969	,8090	,3430	,6232
1271	Argus	6.7	3	56 47,23	1,861	—8,8740	+8,8859	+0,2697	+8,7681
1272	———	6.7	3	57 5,12	1,389	,9738	,9842	,1427	,9129
1273	———	7	3	57 55,24	1,968	,8533	,8609	,2940	,7317
1274	C ———	6	3	58 38,82	2,067	,8330	,8378	,3153	,6935
1275	———	7	3	59 16,87	2,080	,8319	,8344	,3181	,6903
1276	Argus	7.8	3	59 31,22	1,862	—8,8822	+8,8837	+0,2700	+8,7780
1277	———	8	3	59 44,79	1,310	,9976	,9984	,1173	,9425
1278	———	8	3	9 0 3,88	1,683	,9229	,9224	,2261	,8400
1279	———	—	—	0	1,381	,9838	,9846	,1402	,9245
1280	———	8.9	3	0 17,75	1,963	,8619	,8604	,2929	,7432
1281	Argus	8.9	3	0 28,45	1,958	—8,8633	+8,8613	+0,2918	+8,7455
1282	———	7	3	0 32,10	1,604	,9412	,9389	,2052	,8659
1283	———	7.8	3	1 6,19	2,049	,8443	,8398	,3115	,7106
1284	———	8	3	1 44,26	1,873	,8866	,8795	,2725	,7825
1285	Pixid. Naut.	7	3	1 46,01	2,608	,7239	,7166	,4163	,3681
1286	Argus	7	3	1 47,73	2,369	—8,7732	+8,7658	+0,3746	+8,5499
1287	———	7	3	1 56,01	2,163	,8203	,8128	,3351	,6622
1288	———	8	3	2 17,34	1,537	,9607	,9519	,1867	,8919
1289	———	7.8	3	2 55,68	1,477	,9753	,9639	,1694	,9112
1290	———	6.7	3	2 56,37	1,642	,9410	,9296	,2238	,8637
1291	Argus	7	3	3 6,04	1,928	—8,8768	+8,8643	+0,2851	+8,7647
1292	———	7·8	3	3 17,93	1,548	,9617	,9491	,1898	,8926
1293	———	8	3	3 33,70	1,548	,9626	,9490	,1898	,8936
1294	———	7.8	3	3 14,59	1,804	,9075	,8933	,2562	,8148
1295	———	7	3	4 22,62	2,010	,8630	,8461	,3032	,7395
1296	Argus	6.7	3	4 42,95	2,016	—8,8625	+8,8443	+0,3045	+8,7380
1297	———	—	—	4	1,901	,8896	,8707	,2790	,7840
1298	———	7.8	3	5 1,90	2,218	,8162	,7967	,3460	,6470
1299	———	8	3	5 12,00	2,218	,8166	,7966	,3460	,6475
1300	———	6	3	5 27,56	2,331	,7910	,7698	,3675	,5864
1301	Argus	6.7	4	5 54,03	2,117	—8,8423	+8,8196	+0,3257	+8,6989
1302	Pixid. Naut.	—	—	6	1,698	,9387	,9157	,2299	,8581
1303	Argus	7	4	6 8,03	1,554	,9686	,9448	,1914	,9000
1304	Pixid. Naut.	7	3	6 10,99	2,528	,7494	,7254	,4028	,4541
1305	Argus	6.7	3	6 30,85	2,144	,8377	,8127	,3312	,6888

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1261	48 56 5,00	—13,850	+9,9191	+9,7170	—1,1415	—9,8590	2307	— 2,12	——	+ 1,57
1262	41 14 18,90	13,892	,9036	,6601	,1428	,8578	2309	— 1,82	— 3,24	+ 2,51
1263	58 28 20,67	13,892	,9248	,7716	,1428	,8578	2311	— 1,94	— 2,47	+ 8,60
1264	50 55 50,74	13,905	,9201	,7314	,1432	,8574	2312	— 2,59	——	+ 1,82
1265	49 48 42,68	13,909	,9191	,7246	,1433	,8573	2313	— 4,78	——	— 1,00
1266	38 46 31,88	13,926	+9,8965	+9,6389	—1,1438	—9,8568	2314	— 4,14	— 1,41	+ 3,78
1267	24 52 32,29	13,938	,8432	,4666	,1442	,8564	2315	— 2,04	— 3,64	— 5,51
1268	48 57 4,00	13,947	,9170	,7196	,1445	,8562	2316	— 1,86	——	—4,54,12
1269	48 57 5,85	13,947	,9175	,7201	,1445	,8562	2317	— 0,62	——	— 1,06
1270	42 4 38,25	13,972	,9047	,6697	,1453	,8555	2319	— 2,10	——	— 0,79
1271	51 33 39,50	13,976	+9,9201	+9,7375	—1,1454	—9,8553	2320	— 3,82	— 3,14	+ 1,08
1272	60 20 15,90	14,001	,9227	,7833	,1462	,8546	2322	— 3,26	— 2,73	— 0,40
1273	49 3 54,62	14,047	,9154	,7240	,1476	,8532	2323	— 2,19	——	+ 4,02
1274	46 27 46,02	14,093	,9112	,7075	,1490	,8519	2326	— 3,12	— 1,71	+ 5,09
1275	46 10 51,56	14,130	,9096	,7066	,1501	,8507	2328	— 4,56	——	+ 9,39
1276	51 52 15,00	14,147	+9,9164	+9,7446	—1,1506	—9,8502	2329	— 2,76	——	— 4,08
1277	61 43 9,65	14,159	,9185	,7940	,1510	,8499	2332	— 1,87	——	+ 3,69
1278	55 42 19,50	14,179	,9180	,7669	,1517	,8492	2333	— 2,67	——	— 0,73
1279	60 43	14,159	,9185	,7898	,1510	,8499	2331	——	——	——
1280	49 38 56,90	14,196	,9133	,7315	,1522	,8487	2335	— 1,64	——	— 2,59
1281	49 30 22,86	14,204	+9,9133	+9,7326	—1,1524	—9,8485	2336	— 2,91	——	— 3,10
1282	57 12 58,32	14,208	,9180	,7753	,1525	,8483	2337	— 2,81	——	— 3,31
1283	47 16 45,14	14,245	,9090	,7180	,1537	,8472	2340	— 2,41	——	+ 0,34
1284	51 53 19,60	14,286	,9138	,7489	,1549	,8459	2344	+ 0,64	——	+ 0,05
1285	26 7 24,91	14,290	,8439	,4973	,1550	,8458	2342	— 2,40	——	+ 0,79
1286	36 42 55,99	14,290	+9,8848	+9,6299	—1,1550	—9,8458	2343	— 0,82	— 3,19	— 1,54
1287	43 59 19,20	14,294	,9025	,6951	,1552	,8457	2345	— 3,01	— 3,60	+ 3,31
1288	58 33 48,49	14,315	,9154	,7850	,1558	,8450	2349	— 2,65	——	+ 5,57
1289	59 37 6,26	14,356	,9143	,7910	,1570	,8437	2354	— 1,56	——	— 3,61
1290	56 49 13,98	14,356	,9143	,7779	,1570	,8437	2353	— 1,71	——	+ 3,05
1291	50 34 12,05	14,372	+9,9117	+9,7435	—1,1575	—9,8432	2347	—61,67	——	— 2,13
1292	58 30 16,87	14,376	,9143	,7865	,1576	,8431	2359	— 4,53	——	— 5,04
1293	58 32 21,07	14,392	,9138	,7872	,1581	,8425	2361	— 3,11	——	+ 0,42
1294	53 38 47,75	14,410	,9117	,7632	,1585	,8418	2363	——	+36,18	——
1295	48 46 20,64	14,445	,9069	,7342	,1597	,8408	2366	— 1,18	— 2,44	+ 3,95
1296	48 38 21,29	14,465	+9,9069	+9,7340	—1,1603	—9,8402	2370	— 2,41	— 2,69	+10,20
1297	51 36	14,477	,9090	,7530	,1607	,8398	2371	——	——	——
1298	42 36 48,30	14,485	,8960	,6898	,1609	,8395	2372	— 2,38	——	+ 3,65
1299	42 37 3,54	14,493	,8960	,6902	,1612	,8393	2373	— 3,49	——	+57,82
1300	38 36 19,01	14,513	,8859	,6553	,1618	,8386	2378	— 2,89	— 2,86	+ 2,30
1301	45 55 49,14	14,537	+9,9015	+9,7171	—1,1625	—9,8378	2380	— 3,21	——	+ 6,22
1302	56 7	14,541	,9101	,7800	,1626	,8377	2383	——	——	——
1303	58 37 15,02	14,554	,9117	,7925	,1630	,8373	2377	—63,01	——	+ 3,11
1304	30 24 39,35	14,557	,8585	,5658	,1631	,8371	2382	— 3,01	——	— 2,71
1305	45 11 36,00	14,573	,8993	,7128	,1636	,8366	2385	— 3,05	——	— 0,30

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
1306	Argus	6.7	3	9 6 35,61	+2,214	—8,8215	+8,7960	+0,3452	+8,6552
1307	——	6.7	3	7 10,16	1,642	8,9545	,9270	,2154	,8798
1308	——	6	3	7 16,99	2,256	8,8134	,7853	,3533	,6358
1309	*i* ——	5.6	3	7 38,53	1,374	9,0114	,9823	,1380	,9560
1310	——	7	3	7 58,11	2,101	8,8519	,8213	,3224	,7139
1311	Argus	7.8	3	8 10,02	1,866	—8,9077	+8,8763	+0,2709	+8,8093
1312	——	6.7	3	8 15,15	2,205	,8281	,7964	,3435	,6659
1313	——	7	3	8 18,18	2,424	,7772	,7451	,3845	,5392
1314	——	6	3	8 44,17	1,570	,9749	,9415	,1959	,9070
1315	——	7	3	8 47,09	2,227	,8244	,7905	,3477	,6568
1316	Pixid. Naut.	6.7	3	8 56,04	2,487	—8,7648	+8,7303	+0,3957	+8,4972
1317	—— ——	7.8	4	9 14,39	2,582	,7457	,7098	,4120	,4208
1318	Argus	7	3	9 27,67	2,166	,8406	,8044	,3357	,6895
1319	——	6	3	9 33,77	1,779	,9315	,8951	,2502	,8445
1320	——	6.7	3	10 28,75	2,210	,8329	,7926	,3444	,6716
1321	Argus	6.7	3	10 41,11	2,346	—8,8009	+8,7599	+0,3703	+8,5974
1322	——	6.7	3	10 54,78	1,643	,9660	,9243	,2156	,8933
1323	——	7	3	11 4,33	1,689	,9566	,9143	,2276	,8798
1324	——	7	3	11 6,86	2,190	,8394	,7969	,3404	,6840
1325	——	7	3	11 13,02	2,039	,8763	,8333	,3094	,7537
1326	g Argus	5.6	3	11 41,15	1,695	—8,9573	+8,9127	+0,2292	+8,8803
1327	——	7	3	12 11,25	2,175	,8458	,7992	,3375	,6952
1328	K ——	6.7	3	12 46,61	1,992	,8920	,8432	,2993	,7788
1329	*l* ——	3.4	3	12 48,53	1,608	,9800	,9312	,2063	,9114
1330	Pixid. Naut.	7.8	3	13 10,63	2,481	,7759	,7251	,3946	,5171
1331	Argus	8	3	13 26,30	2,106	—8,8664	+8,8150	+0,3235	+8,7327
1332	——	6.7	1	14 4,37	2,403	,7960	,7420	,3807	,5748
1333	——	7.8	3	14 17,47	2,143	,8596	,8049	,3310	,7187
1334	——	7	3	14 21,98	2,200	,8460	,7910	,3424	,6918
1335	——	7	3	14 40,00	1,830	,9360	,8800	,2624	,8469
1336	Argus	8	3	15 14,14	1,830	—8,9377	+8,8794	+0,2624	+8,8489
1337	——	6.7	3	15 42,60	2,291	8,8271	,7671	,3600	,6487
1338	——	8.9	3	16 32,54	1,831	8,9414	,8782	,2627	,8534
1339	——	6.7	3	16 33,94	2,182	8,8562	,7928	,3388	,7086
1340	——	7.8	3	16 37,76	1,471	9,0219	,9583	,1676	,9651
1341	Argus	6.7	3	16 58,66	1,829	—8,9434	+8,8785	+0,2622	+8,8561
1342	*k* ——	6	3	17 6,37	1,447	9,0285	,9631	,1605	,9734
1343	——	7	3	17 19,75	2,410	8,8023	,7358	,3820	,5828
1344	——	8	3	17 26,74	1,550	9,0076	,9409	,1903	,9460
1345	——	6.7	3	17 46,09	2,116	8,8760	,8080	,3255	,7445
1346	Argus	6.7	3	17 53,12	2,162	—8,8652	+8,7966	+0,3349	+8,7239
1347	——	7.8	3	17 56,08	2,371	,8131	,7444	,3749	,6098
1348	——	—	—	18	1,952	,9173	,8483	,2905	,8147
1349	——	8	3	18 22,01	2,255	,8432	,7727	,3531	,6788
1350	Pixid. Naut.	8	3	18 22,04	2,602	,7614	,6903	,3932	,4375

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
1306	42 57 25,21	−14,582	+9,8949	+9,6955	−1,1638	−9,8363	2387	− 2,43	—	+ 4,96
1307	57 18 49,02	14,613	,9085	,7880	,1647	,8353	2391	− 2,39	—	− 0,45
1308	41 37 4,00	14,621	,8910	,6855	,1650	,8350	2390	− 1,56	—	− 0,40
1309	61 39 39,21	14,637	,9069	,8082	,1655	,8345	2394	− 2,79	− 2,93	+ 5,13
1310	46 40 44,98	14,661	,8998	,7262	,1662	,8336	2395	− 1,82	—	+ 2,47
1311	52 50 44,42	14,673	+9,9058	+9,7662	−1,1665	−9,8332	2398	− 2,06	—	− 1,16
1312	43 29 7,10	14,677	,8938	,7025	,1666	,8331	2397	− 3,74	—	− 1,23
1313	35 18 7,78	14,685	,8733	,6269	,1669	,8328	2399	− 1,63	—	− 1,59
1314	58 45 15,52	14,705	,9063	,7976	,1675	,8321	2404	− 2,00	− 4,26	+ 7,33
1315	42 48 16,23	14,713	,8915	,6982	,1677	,8319	2403	− 2,04	—	+ 1,72
1316	32 39 32,52	14,724	+9,8639	+9,5984	−1,1680	−9,8315	2405	—	—	+ 3,07
1317	28 13 18,28	14,745	,8463	,5418	,1686	,8308	2406	—	—	+11,05
1318	44 53 35,61	14,748	,8949	,7157	,1687	,8306	2409	− 2,95	—	− 1,47
1319	54 54 34,96	14,752	,9047	,7799	,1688	,8305	2410	− 4,01	—	− 0,49
1320	43 35 56,45	14,811	,8915	,7074	,1706	,8284	2416	− 1,04	—	+ 5,33
1321	38 43 55,75	14,823	+9,8804	+9,6655	−1,1709	−9,8280	2417	− 1,90	—	+ 2,77
1322	57 43 21,62	14,835	,9031	,7966	,1713	,8276	2418	− 2,46	—	+ 1,80
1323	56 54 42,19	14,843	,9031	,7928	,1715	,8273	2420	− 2,33	—	+ 0,36
1324	44 20 39,35	14,846	,8921	,7143	,1716	,8272	2419	− 3,85	—	+ 2,74
1325	48 54 38,82	14,854	,8982	,7473	,1718	,8269	2421	− 1,85	—	+ 2,12
1326	56 52 23,75	14,878	+9,9020	+9,7937	−1,1725	−9,8261	2424	− 1,87	− 3,02	+ 0,22
1327	44 58 2,25	14,909	,8921	,7211	,1734	,8249	2426	− 3,98	—	−11,20
1328	50 22 52,42	14,944	,8976	,7593	,1745	,8237	2428	− 2,52	− 2,50	− 0,89
1329	58 36 17,51	14,944	,9004	,8039	,1745	,8237	2429	− 2,50	− 4,09	+ 5,44
1330	33 25 42,37	14,971	,8621	,6146	,1752	,8227	2430	− 2,90	—	+ 2,42
1331	47 18 12,39	14,983	+9,8932	+9,7400	−1,1756	−9,8223	2431	− 1,36	—	+ 2,39
1332	36 54 13,48	15,022	,8722	,6536	,1767	,8208	2434	− 2,11	—	+ 0,11
1333	46 16 31,08	15,033	,8910	,7342	,1770	,8204	2435	− 2,79	—	− 1,85
1334	44 29 50,64	15,037	,8876	,7210	,1772	,8203	2437	− 4,41	—	+ 3,22
1335	54 30 42,63	15,052	,8976	,7865	,1776	,8197	2440	− 2,84	—	− 3,46
1336	54 34 39,03	15,087	+9,8965	+9,7879	−1,1786	−9,8184	2443	− 2,98	—	+ 0,52
1337	58 30 45,54	15,114	,8808	,6990	,1794	,8174	2446	− 3,34	− 2,19	+ 3,29
1338	54 43 19,71	15,163	,8943	,7908	,1807	,8156	2455	− 3,73	—	− 0,65
1339	45 22 3,11	15,160	,8865	,7312	,1808	,8155	2454	− 2,30	—	+ 2,47
1340	61 18 49,29	15,167	,8926	,8222	,1809	,8153	2456	− 1,68	—	+ 6,27
1341	54 50 15,16	15,186	+9,8938	+9,7922	−1,1814	−9,8146	2457	− 2,79	—	− 0,01
1342	61 43 25,53	15,195	,8915	,8247	,1817	,8143	2461	− 1,67	− 3,71	+ 3,49
1343	37 4 24,96	15,209	,8686	,6606	,1821	,8137	2460	− 2,37	—	− 0,58
1344	60 8 59,27	15,213	,8926	,8186	,1822	,8136	2463	− 2,60	—	− 5,55
1345	47 36 7,77	15,232	,8882	,7493	,1827	,8128	2464	− 2,93	− 2,66	+ 5,54
1346	46 13 25,64	15,240	+9,8859	+9,7398	−1,1830	−9,8125	2466	− 2,49	—	+ 4,68
1347	38 44 17,19	15,243	,8716	,6778	,1831	,8124	2465	− 2,49	− 2,40	+ 1,23
1348	52 8	15,247	,8910	,7787	,1832	,8122	2468	—	—	—
1349	43 11 47,51	15,269	,8808	,7174	,1838	,8114	2472	− 0,93	—	+ 6,41
1350	28 17 28,41	15,277	,8382	,5582	,1840	,8111	2473	+ 8,47	—	+12,85

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
1351	Argus	6.7	3	9 18 38,68	+ 1,998	—8,9079	+8,8366	+0,3006	+8,7988
1352	——	7	3	19 6,63	2,255	8,8451	,7717	,3531	,6815
1353	Pixid. Naut.	7	3	19 16,97	2,583	8,7670	,6929	,4121	,4576
1354	—— ——	6.7	3	19 46,94	2,609	8,7626	,6867	,4165	,4369
1355	—— ——	7.8	3	19 53,86	2,505	8,7858	,7094	,3988	,5246
1356	Argus	7	3	20 2,36	1,525	—9,0213	+8,9449	+0,1833	+8,9627
1357	——	6.7	3	20 2,55	1,521	9,0226	,9459	,1821	,9643
1358	——	7	3	20 14,52	2,307	8,8349	,7572	,3630	,6569
1359	——	7	3	20 15,61	1,897	8,9374	,8599	,2781	,8442
1360	——	7	3	20 24,57	2,147	8,8759	,7977	,3318	,7406
1361	Argus	7.8	3	20 39,19	2,254	—8,8493	+8,7701	+0,3529	+8,6877
1362	——	7.8	3	20 49,09	1,926	8,9381	,8522	,2846	,8351
1363	Antl. Pneum.	7	3	21 0,52	2,485	8,7931	,7125	,3953	,5444
1364	Argus	7.8	3	21 2,21	2,032	8,9064	,8259	,3079	,7939
1365	——	6	3	21 6,10	1,947	8,9278	,8469	,2894	,8285
1366	Argus	7.8	5	21 19,67	2,121	—8,8851	+8,8033	+0,3265	+8,7563
1367	——	7	3	21 28,14	1,513	9,0289	,9468	,1798	,9719
1368	——	7	3	21 47,56	1,911	8,9386	,8552	,2813	,8448
1369	——	—	—	21	1,970	8,9253	,8404	,2945	,8236
1370	——	7	4	22 21,31	1,662	8,9988	,9134	,2206	,9314
1371	Argus	8	3	22 37,09	2,227	—8,8616	+8,7749	+0,3477	+8,7097
1372	——	8	3	22 42,70	2,227	8,8618	,7748	,3477	,7100
1373	——	7.8	3	22 44,92	1,951	8,9316	,8446	,2903	,8331
1374	——	—	—	22	2,129	8,8878	,7996	,3302	,7591
1375	——	7	3	23 46,12	2,276	8,8522	,7608	,3572	,6883
1376	Argus	8	4	23 51,54	2,133	—8,8892	+8,7975	+0,3290	+8,7605
1377	——	7	3	24 35,06	2,234	8,8653	,7708	,3491	,7140
1378	——	6.7	3	24 38,01	2,040	8,9152	,8206	,3096	,8046
1379	——	6.7	6	24 45,79	1,520	9,0384	,9436	,1818	,9827
1380	Pixid. Naut.	6.7	3	25 18,55	2,625	8,7706	,6731	,4191	,4416
1381	Argus	6.7	7	25 32,18	1,521	—9,0408	+8,9429	+0,1821	+8,9854
1382	——	7.8	3	25 32,29	2,166	8,8853	,7872	,3357	,7510
1383	——	7	3	25 34,32	2,411	8,8219	,7237	,3822	,6137
1384	——	—	—	25	1,529	9,0400	,9411	,1844	,9843
1385	——	8	3	26 15,02	2,162	8,8884	,7877	,3349	,7562
1386	Argus	5	4	26 21,63	1,822	—8,9746	+8,8733	+0,2605	+8,8949
1387	——	—	—	26	1,531	9,0425	,9402	,1850	,9871
1388	——	8	3	27 0,92	1,829	8,9750	,8712	,2622	,8951
1389	——	7	3	27 32,32	1,928	8,9523	,8464	,2620	,8611
1390	——	7.8	4	27 53,96	1,828	8,9778	,8706	,2620	,8986
1391	Argus	—	—	27	1,835	—8,9764	+8,8689	+0,2636	+8,8965
1392	——	8.9	3	27 59,56	2,120	8,9042	,7967	,3263	,7824
1393	——	7.8	3	28 7,85	1,656	9,0195	,9112	,2191	,9562
1394	Antl. Pneum.	7	3	28 13,07	2,521	8,8008	,6921	,4033	,5448
1395	Argus	6.7	3	28 36,34	2,072	8,9186	,8086	,3164	,8064

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a′	b′	c′	d′	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1351	51 3 5,12	—15,281	+9,8899	+9,7731	—1,1841	—9,8109	2474	— 2,41	— 2,31	+ 1,46
1352	43 17 22,78	15,310	,8797	,7194	,1850	,8097	2475	— 1,58	——	+ 2,37
1353	29 20 41,57	15,322	,8414	,5739	,1853	,8093	2478	— 2,38	——	+ 2,37
1354	28 5 45,41	15,349	,8363	,5574	,1861	,8082	2479	— 2,50	— 3,80	+ 1,94
1355	33 12 15,46	15,357	,8543	,6232	,1863	,8079	2480	— 1,86	——	+ 1,52
1356	60 57 30,28	15,357	+9,8876	+9,8258	—1,1863	—9,8079	2484	— 2,08	——	—4′ 59″,91
1357	60 57 30,83	15,360	,8876	,8262	,1864	,8078	2485	— 1,19	——	— 1,88
1358	41 33 35,12	15,375	,8756	,7069	,1868	,8072	2486	——	— 1,34	+ 0,39
1359	53 46 24,26	15,371	,8887	,7916	,1867	,8073	2487	— 3,21	——	— 0,39
1360	47 4 4,02	15,382	,8831	,7498	,1870	,8069	2488	— 1,98	——	+ 4,13
1361	43 32 50,28	15,397	+9,8779	+9,7239	—1,1874	—9,8062	2490	+ 0,49	——	+ 6,21
1362	53 8 53,85	15,401	,8876	,7889	,1875	,8061	2492	— 2,92	— 2,71	+ 3,79
1363	34 18 47,46	15,417	,8561	,6373	,1880	,8055	2493	— 2,86	— 4,11	— 0,66
1364	50 29 0,76	15,417	,8859	,7735	,1880	,8055	2494	— 4,12	— 0,26	— 4,13
1365	52 41 10,97	15,420	,8876	,7869	,1881	,8053	2495	— 3,09	— 3,20	+ 4,29
1366	49 0 0,20	15,435	+9,8831	+9,7578	—1,1885	—9,8047	2496	— 2,18	——	+ 7,34
1367	61 15 40,99	15,438	,8848	,8297	,1886	,8046	2498	— 1,60	——	+ 2,78
1368	53 39 28,02	15,457	,8865	,7934	,1891	,8038	2499	— 2,70	——	— 1,07
1369	52 16	15,479	,8848	,7861	,1897	,8029	2502	——	——	——
1370	58 33 3,94	15,487	,8848	,8206	,1899	,8026	2503	— 2,28	——	+ 3,80
1371	44 48 7,70	15,505	+9,8774	+9,7366	—1,1905	—9,8018	2505	— 2,50	——	— 5,89
1372	44 48 16,95	15,508	,8774	,7369	,1906	,8017	2507	— 2,15	——	— 3,77
1373	52 49 12,92	15,508	,8848	,7901	,1906	,8017	2509	— 2,70	——	+ 1,04
1374	48 0	15,527	,8808	,7605	,1912	,8009	2510	——	——	——
1375	43 15 32,38	15,571	,8739	,7265	,1923	,7990	2514	— 0,88	——	+ 0,50
1376	48 0 49,73	15,575	+9,8797	+9,7618	—1,1924	—9,7989	2516	— 2,06	——	+ 7,91
1377	44 59 17,82	15,615	,8745	,7403	,1935	,7971	2520	— 1,97	——	+ 0,32
1378	50 49 0,91	15,615	,8808	,7811	,1935	,7971	2523	— 2,06	— 2,66	+ 2,50
1379	61 34 29,35	15,619	,8791	,8360	,1936	,7970	2524	— 2,32	——	+ 1,73
1380	27 55 29,20	15,659	,8299	,5638	,1948	,7953	2525	——	——	+ 4,91
1381	61 39 34,55	15,662	+9,8779	+9,8376	—1,1949	—9,7951	2530	— 2,58	——	+ 2,46
1382	47 14 58,70	15,666	,8762	,7590	,1950	,7949	2527	— 3,02	——	+ 0,82
1383	38 14 1,18	15,666	,8615	,6848	,1950	,7949	2526	— 3,55	——	— 2,47
1384	61 34	15,676	,8774	,8376	,1953	,7945	2533	——	——	——
1385	47 29 22,17	15,713	,8756	,7618	,1960	,7933	2534	— 3,22	——	+ 6,82
1386	56 19 47,75	15,710	+9,8791	+9,8146	—1,1962	—9,7930	2535	— 2,19	— 2,58	+ 2,29
1387	61 39	15,718	,8762	,8393	,1964	,7924	2538	——	——	——
1388	56 16 58,50	15,746	,8785	,8153	,1972	,7914	2539	— 1,62	— 0,93	+ 8,00
1389	54 7 24,71	15,775	,8774	,8048	,1980	,7901	2542	— 1,38	——	— 3,22
1390	56 23 11,33	15,793	,8768	,8173	,1984	,7893	2545	— 2,06	——	+ 2,46
1391	56 17	15,796	+9,8768	+9,8167	—1,1985	—9,7892	2548	——	——	——
1392	48 2 47,61	15,796	,8745	,7748	,1985	,7892	2544	— 4,35	——	+ 4,49
1393	59 48 58,51	15,807	,8745	,8336	,1988	,7887	2550	+ 0,24	——	— 2,98
1394	33 39 19,98	15,814	,8463	,6411	,1990	,7884	2549	+ 2,22	——	+ 1,05
1395	50 32 44,94	15,832	,8745	,7854	,1995	,7876	2555	— 2,23	— 2,91	+ 1,61

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s.				
1396	Argus	—	—	9 28	+ 2,153	—8,8980	+8,7872	+0,3330	+8,7704
1397	Pixid. Naut.	7.8	3	28 57,97	2,655	8,7716	,6600	,4241	,4261
1398	Argus	8.9	5	29 15,48	2,155	8,8986	,7862	,3334	,7710
1399	———	7.8	3	29 19,35	1,658	9,0227	,9100	,2196	,9599
1400	———	8.9	6	29 31,72	2,147	8,9008	,7881	,3318	,7749
1401	Argus	7.8	3	29 33,77	2,294	—8,8624	+8,7484	+0,3606	+8,7002
1402	———	5.6	3	29 48,26	1,738	9,0056	,8908	,2400	,9365
1403	Antl. Pneum.	7.8	3	30 15,90	2,609	8,7844	,6676	,4165	,4770
1404	—— ——	7	3	30 29,61	2,617	8,7829	,6653	,4178	,4699
1405	Argus	7	3	30 38,07	2,167	8,8995	,7816	,3359	,7710
1406	Argus	8	3	30 45,55	2,076	—8,9241	+8,8055	+0,3172	+8,8135
1407	Antl. Pneum.	7	3	30 49,20	2,493	8,8136	,6946	,3967	,6765
1408	Argus	5.6	3	31 6,31	2,150	8,9054	,7854	,3324	,7809
1409	———	7.8	3	31 51,95	2,002	8,9465	,8236	,3015	,8486
1410	———	7	3	32 13,00	2,420	8,8357	,7115	,3838	,6338
1411	Argus	8	3	32 18,17	2,175	—8,9020	+8,7775	+0,3375	+8,7737
1412	———	7.8	3	32 21,70	1,404	9,0892	,9645	,1474	9,0439
1413	Antl. Pneum.	7	3	33 19,74	2,604	8,7918	,6631	,4138	8,4936
1414	Argus	7	3	33 48,39	2,200	8,8996	,7691	,3424	8,7674
1415	———	7.8	3	33 55,68	2,042	8,9423	,8112	,3101	8,8403
1416	Argus	7	3	34 9,97	1,974	—8,9608	+8,8289	+0,2953	+8,8690
1417	———	7.8	3	34 13,86	1,819	9,0003	,8682	,2598	,9268
1418	Antl. Pneum.	7	3	34 34,23	2,560	8,8050	,6714	,4082	,5376
1419	—— ——	6.7	3	34 52,70	2,619	8,7912	,6564	,4181	,4849
1420	Argus	5.6	3	34 55,14	1,664	9,0399	,9052	,2211	,9802
1421	Argus	7 8	3	34 55,78	1,464	—9,0853	+8,9505	+0,1655	+9,0381
1422	———	7	3	35 40,06	1,975	8,9654	,8272	,2956	8,8749
1423	———	6	3	35 47,21	1,845	8,9989	,8607	,2660	8,9239
1424	Antl. Pneum.	7	3	35 57,00	2,523	8,8175	,6785	,4019	8,5740
1425	Argus	—	—	36	2,112	8,9305	,7899	,3247	8,8190
1426	Argus	—	—	36	2,280	—8,8848	+8,7434	+0,3579	+8,7358
1427	———	8	3	36 29,82	2,009	,9586	,8175	,3030	,8640
1428	———	7	3	36 32,32	1,971	,9690	,8276	,2947	,8798
1429	———	7.8	3	37 30,75	1,952	,9769	,8318	,2905	,8910
1430	———	7	3	37 46,57	2,126	,9311	,7849	,3276	,8186
1431	Argus	7.8	3	37 48,61	2.024	—8,9588	+8,8123	+0,3062	+8,8632
1432	———	6.7	3	38 16,89	2,034	,9575	,8092	,3083	,8609
1433	Antl. Pneum.	7.8	3	38 20,58	2,630	,7956	,6467	,4200	,4879
1434	Argus	7.8	3	38 41,96	2,216	,9088	,7588	,3456	,7787
1435	Antl. Pneum.	7	3	39 11,94	2,683	,7849	,6326	,4286	,4355
1436	Argus	7.8	3	39 30,85	2,294	—8,8888	+8,7356	+0,3606	+8,7398
1437	———	7.8	3	39 38,30	2,353	,8726	,7187	,3716	,7062
1438	———	7	3	39 49,49	1,894	,9993	,8448	,2774	,9222
1439	———	7.8	3	39 52,06	2,031	,9632	,8084	,3077	,8686
1440	———	7.8	3	40 0,53	2,298	,8895	,7342	,3613	,7405

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of a′	b′	c′	d′	Difference from the Brisbane Catalogue. No.	Right Ascension from M. C.	T.	Declin.
	° ′ ″	″						s.	s.	″
1396	48 10	—15,843	+9,8722	+9,7703	—1,1998	—9,7871	2556	—	—	—
1397	26 48 32,76	15,853	,8215	,5528	,2001	,7866	2557	— 2,06	—	+ 4,61
1398	48 10 35,24	15,864	,8716	,7709	,2004	,7861	2558	— 3,20	—	+ 3,88
1399	59 55 9,84	15,868	,8727	,8358	,2005	,7859	2562	— 2,92	—	— 3,48
1400	48 25 2,56	15,868	,8722	,7727	,2005	,7859	2560	—17,89	—	+43,49
1401	43 28 28,27	15,886	+9,8663	+9,7369	—1,2010	—9,7851	2563	— 1,77	— 0,80	+ 1,24
1402	58 31 1,00	15,896	,8722	,8303	,2013	,7846	2565	— 1,52	— 1,97	+ 4,93
1403	29 29 38,87	15,924	,8306	,5927	,2021	,7833	2567	— 0,33	—	— 2,35
1404	29 5 5,16	15,935	,8287	,5874	,2023	,7828	2569	— 2,56	—	+ 2,44
1405	48 2 1,91	15,939	,8698	,7721	,2024	,7826	2570	— 2,85	—	+ 7,54
1406	50 47 55,22	15,949	+9,8710	+9,7902	—1,2027	—9,7821	2574	+ 1,34	—	— 1,49
1407	35 22 48,39	15,953	,8482	,6638	,2028	,7820	2572	— 1,99	—	— 3,54
1408	48 38 19,83	15,967	,8698	,7769	,2032	,7813	2577	— 1,45	— 3,14	+ 7,29
1409	52 56 58,09	16,006	,8698	,8045	,2043	,7795	2581	— 2,25	— 2,91	+ 3,15
1410	38 53 26,20	16,023	,8543	,7009	,2047	,7786	2583	— 1,88	— 2,92	+ 4,48
1411	48 3 7,13	16,027	+9,8675	+9,7746	—1,2048	—9,7784	2585	— 3,10	—	+ 2,74
1412	64 14 5,23	16,030	,8627	,8576	,2049	,7783	2588	+ 1,23	— 4,22	+ 8,06
1413	30 12 0,51	16,082	,8293	,6062	,2063	,7757	2593	— 2,49	—	— 6,98
1414	47 30 52,94	16,107	,8645	,7729	,2070	,7746	2595	— 2,05	—	+ 2,01
1415	52 13 16,15	16,114	,8659	,8033	,2072	,7742	2596	— 2,27	—	+ 0,94
1416	54 1 49,35	16,124	+9,8669	+9,8138	—1,2075	—9,7737	2598	— 1,89	—	+ 3,30
1417	57 33 27,51	16,127	,8657	,8321	,2076	,7735	2599	— 2,23	—	+ 7,30
1418	32 40 12,39	16,148	,8357	,6388	,2081	,7726	2601	+ 0,06	—	— 0,04
1419	29 34 40,47	16,162	,8254	,6002	,2085	,7718	2603	— 2,97	—	— 4,34
1420	60 36 19,27	16,162	,8621	,8468	,2085	,7718	2607	— 2,18	— 3,00	+ 2,11
1421	63 45 59,48	16,162	+9,8585	+9,8594	—1,2085	—9,7718	2608	— 2,45	—	+ 6,73
1422	54 15 26,03	16,207	,8639	,8173	,2097	,7696	2613	+ 2,66	—	— 2,55
1423	57 15 27,46	16,207	,8627	,8327	,2097	,7696	2615	— 3,92	— 4,98	— 0,20
1424	34 46 27,76	16,217	,8395	,6645	,2100	,7690	2614	— 1,86	—	— 6,06
1425	50 38	16,238	,8621	,7970	,2105	,7680	2618	—	—	—
1426	45 10	16,248	+9,8579	+9,7599	—1,2108	—9,7675	2621	—	—	—
1427	53 29 19,47	16,244	,8627	,8141	,2107	,7676	2623	— 2,57	—	+ 3,00
1428	54 29 10,16	16,248	,8627	,8196	,2108	,7675	2625	— 1,16	—	+ 0,37
1429	55 6 19,39	16,295	,8609	,8242	,2121	,7650	2631	— 2,04	—	— 6,74
1430	50 30 0,57	16,309	,8597	,7980	,2124	,7643	2633	— 2,92	— 3,17	— 9,43
1431	53 20 38,78	16,313	+9,8603	+9,8150	—1,2125	—9,7641	2634	— 2,60	—	+ 9,91
1432	53 9 35,35	16,336	,8597	,8146	,2131	,7629	2637	— 2,51	— 2,06	+ 4,00
1433	29 28 8,73	16,343	,8215	,6037	,2133	,7625	2636	— 0,52	—	+ 0,62
1434	47 48 52,60	16,356	,8567	,7817	,2137	,7618	2641	— 1,24	—	+ 5,73
1435	26 32 12,22	16,387	,8096	,5631	,2145	,7602	2646	— 1,45	—	— 2,74
1436	45 10 37,88	16,397	+9,8537	+9,7638	—1,2147	—9,7597	2649	— 4,24	—	—10,65
1437	42 56 33,14	16,407	,8506	,7466	,2150	,7591	2650	— 2,26	—	+ 2,20
1438	56 49 55,01	16,414	,8555	,8161	,2152	,7588	2653	— 2,57	—	+ 1,12
1439	53 30 41,21	16,416	,8567	,8187	,2153	,7586	2654	— 2,30	—	+ 2,54
1440	45 10 55,12	16,433	,8531	,7645	,2155	,7582	2655	— 3,06	— 1,97	— 3,78

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
1441	Antl. Pneum.	7	3	9 40 4,62	+2,616	—8,8024	+8,6469	+0,4176	+8,5085
1442	—— ——	8.9	3	40 14,71	2,458	8,8449	,6885	,3906	,6400
1443	Argus	7	3	41 2,15	1,846	9,0156	,8562	,2662	,9444
1444	——	8	3	41 8,26	1,835	9,0187	,8591	,2636	,9487
1445	——	6.7	3	42 48,27	2,373	8,8753	,7087	,3753	,7072
1446	Antl. Pneum.	7	3	43 5,74	2,532	—8,8311	+8,6631	+0,4035	+8,5956
1447	Argus	7	3	43 25,37	1,969	8,9909	,8221	,2942	,9079
1448	——	7.8	3	43 28,38	2,452	8,8542	,6849	,3895	,6573
1449	Antl. Pneum.	8	3	43 45,93	2,535	8,8319	,6611	,4040	,5962
1450	Argus	8.9	3	43 55,64	1,804	9,0359	,8649	,2562	,9709
1451	Antl. Pneum.	8	3	44 3,18	2,624	—8,8087	+8,6369	+0,4189	+8,5178
1452	Argus	8	3	44 12,50	2,183	8,9339	,7616	,3390	,8176
1453	——	7.8	4	44 15,16	2,214	8,9252	,7525	,3452	,8023
1454	——	7	3	44 34,40	2,292	8,9033	,7295	,3602	,7618
1455	——	8.9	3	44 49,81	1,806	9,0386	,8638	,2567	,9741
1456	Argus	6.7	3	45 8,57	2,315	—8,8982	+8,7220	+0,3645	+8,7512
1457	——	7.8	3	45 28,98	2,308	8,9010	,7235	,3632	,7564
1458	——	6	3	45 30,75	2,308	8,9014	,7235	,3632	,7570
1459	Antl. Pneum.	7	3	45 48,86	2,699	8,7936	,6144	,4312	,4446
1460	Argus	7.8	3	45 49,66	1,801	9,0433	,8644	,2555	,9800
1461	Argus	8	3	46 10,89	2,030	—8,9832	+8,8028	+0,3075	+8,8948
1462	——	7	3	46 11,26	2,058	8,9754	,7951	,3134	8,8830
1463	——	7	3	46 13,03	1,858	9,0298	,8492	,2690	8,9615
1464	——	6.7	3	46 25,47	1,685	9,0744	,8929	,2266	9,0203
1465	——	7.8	3	46 53,55	2,311	8,9043	,7207	,3638	8,7610
1466	Antl. Pneum.	6.7	3	46 54,04	2,691	—8,7975	+8,6139	+0,4299	+8,4585
1467	—— ——	5.6	3	46 57,84	2,724	8,7899	,6060	,4352	,4190
1468	—— ——	7.8	3	46 58,89	2,605	8,8204	,6365	,4158	,5506
1469	Argus	7.8	3	47 9,02	2,419	8,8728	,6881	,3836	,6948
1470	——	8.9	3	47 13,44	2,035	8,9852	,8005	,3086	,8972
1471	Argus	7.8	3	47 14,83	2,430	—8,8697	+8,6849	+0,3856	+8,6876
1472	——	7	3	47 32,70	2,040	8,9847	,7986	,3096	,8962
1473	——	6.7	3	47 58,80	2,188	8,9433	,7555	,3400	,8302
1474	——	7.8	5	48 11,50	2,319	8,9054	,7165	,3653	,7616
1475	Antl. Pneum.	7.8	3	48 14,42	2,598	8,8243	,6349	,4146	,5600
1476	Antl. Pneum.	7.8	3	48 15,20	2,605	—8,8226	+8,6335	+0,4158	+8,5544
1477	Argus	9	3	48 27,18	1,727	9,0712	,8812	,2373	9,0156
1478	——	6.7	3	48 54,91	2,221	8,9363	,7447	,3465	8,8175
1479	——	8	3	48 54,96	2,468	8,8628	,6708	,3923	8,6683
1480	λ Antl. Pneum.	7	2	49 11,20	2,646	8,8131	,6201	,4226	8,5167
1481	Argus	8.9	3	49 18,98	1,747	—9,0689	+8,8756	+0,2423	+9,0123
1482	——	6.7	3	49 24,20	1,930	9,0213	,8275	,2856	8,9482
1483	π Antl. Pneum.	6.7	3	49 36,99	2,607	8,8245	,6298	,4161	8,5569
1484	—— ——	6.7	3	49 41,08	2,707	8,7988	,6035	,4325	8,4516
1485	Argus	8.9	3	49 44,98	1,904	9,1294	,8342	,2797	8,9593

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1441	30 31 51,58	—16,427	+9,8228	+9,6197	—1,2155	—9,7580	2656	— 2,22	—	— 1,64
1442	38 34 59,97	16,437	,8426	,7090	,2158	,7575	2658	— 2,08	—	+ 4,82
1443	58 3 30,31	16,473	,8525	,8437	,2168	,7555	2665	— 3,30	—	+ 5,31
1444	58 18 37,95	16,477	,8525	,8449	,2169	,7553	2668	— 3,62	—	+ 1,14
1445	42 44 22,51	16,562	,8457	,7491	,2191	,7505	2679	— 1,66	—	+ 3,02
1446	35 31 30,66	16,579	+9,8325	+9,6821	—1,2195	—9,7496	2681	— 2,42	—	— 4,34
1447	55 40 11,68	16,589	,8500	,8349	,2200	,7491	2686	— 3,35	— 3,85	— 2,69
1448	39 25 30,43	16,595	,8395	,7211	,2200	,7487	2684	— 2,87	— 4,55	— 4,07
1449	35 31 3,19	16,612	,8312	,6828	,2204	,7477	2687	— 2,06	—	— 6,28
1450	59 23 25,21	16,615	,8463	,8535	,2205	,7476	2690	— 3,51	—	— 4,73
1451	30 45 51,81	16,625	+9,8189	+9,6279	—1,2207	—9,7470	2689	— 2,71	—	— 3,02
1452	49 52 41,68	16,631	,8488	,8026	,2209	,7466	2691	— 3,14	—	— 3,92
1453	48 52 16,93	16,635	,8482	,7962	,2210	,7464	2692	— 1,50	—	+ 4,57
1454	46 11 17,41	16,647	,8463	,7779	,2213	,7457	2696	— 2,74	—	+ 4,62
1455	59 31 0,92	16,660	,8445	,8552	,2217	,7449	2698	— 1,67	—	+ 4,53
1456	45 26 52,86	16,676	+9,8445	+9,7732	—1,2221	—9,7440	2702	— 1,99	—	— 0,31
1457	45 45 52,40	16,693	,8451	,7759	,2225	,7430	2703	— 1,55	— 2,03	— 2,90
1458	45 47 58,52	16,696	,8439	,7763	,2226	,7428	2704	— 0,47	—	+ 2,53
1459	26 35 8,70	16,712	,8028	,5721	,2230	,7419	2705	— 2,09	—	— 1,60
1460	59 46 53,94	16,709	,8420	,8577	,2229	,7421	2706	— 1,08	—	— 6,44
1461	54 38 8,25	16,725	+9,8451	+9,8330	—1,2234	—9,7411	2707	— 2,06	—	— 0,74
1462	53 54 14,48	16,725	,8451	,8290	,2234	,7411	2708	— 1,84	—	— 0,14
1463	58 40 27,17	16,728	,8426	,8532	,2234	,7409	2709	— 1,15	—	+ 2,30
1464	61 59 44,63	16,738	,8388	,8678	,2237	,7404	2710	— 2,27	— 4,01	+ 3,18
1465	45 56 7,81	16,763	,8426	,7791	,2244	,7388	2717	— 0,98	—	+ 9,93
1466	27 14 45,99	16,763	+9,8041	+9,5834	—1,2244	—9,7388	2712	— 2,08	—	— 4,10
1467	25 10 58,52	16,767	,7966	,5517	,2244	,7386	2715	— 2,73	—	— 2,90
1468	32 28 57,87	16,767	,8195	,6527	,2244	,7386	2716	— 2,66	—	+ 6,07
1469	41 33 23,31	16,776	,8376	,7447	,2247	,7380	2719	+ 0,41	—	— 3,79
1470	54 42 11,17	16,776	,8439	,8347	,2247	,7380	2721	— 1,54	—	+ 4,81
1471	41 5 43,31	16,776	+9,8370	+9,7407	—1,2247	—9,7380	2718	— 7,77	—	— 3,84
1472	54 37 18,64	16,792	,8426	,8347	,2251	,7371	2722	— 1,73	—	+ 2,48
1473	50 23 37,52	16,811	,8420	,8105	,2256	,7359	2724	— 2,53	— 3,04	+ 1,38
1474	45 52 59,86	16,824	,8401	,7802	,2259	,7351	2726	— 2,13	—	+ 2,41
1475	32 56 6,67	16,830	,8189	,6599	,2261	,7347	2727	+ 0,53	—	+ 6,11
1476	32 36 24,71	16,827	+9,8182	+9,6559	—1,2260	—9,7349	2725	— 2,44	—	+ 1,96
1477	61 34 55,18	16,838	,8344	,8687	,2262	,7343	2730	+ 1,04	—	+10,94
1478	49 29 19,12	16,855	,8407	,8060	,2267	,7332	2732	— 2,28	— 2,53	+ 3,16
1479	39 40 47,30	16,859	,8319	,7304	,2268	,7330	2731	+ 0,34	— 4,35	+46,73
1480	30 20 6,24	16,871	,8116	,6287	,2271	,7322	2733	— 2,71	— 3,74	— 2,74
1481	61 21 48,00	16,874	+9,8331	+9,8687	—1,2272	—9,7320	2736	— 2,46	— 2,71	+ 0,49
1482	57 39 54,63	16,880	,8370	,8524	,2274	,7316	2737	— 2,15	—	— 0,39
1483	32 39 39,75	16,890	,8169	,6581	,2276	,7310	2738	— 3,19	—	+ 2,88
1484	26 43 2,60	16,896	,7993	,5787	,2278	,7306	2739	— 2,03	—	+ 1,59
1485	58 17 42,43	16,896	,8357	,8558	,2278	,7306	2740	— 1,47	—	+ 1,28

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	S.				
1486	Antl. Pneum.	7.8	3	9 50 4,39	+2,583	—8,8321	+8,6355	+0,4121	+8,5808
1487	Argus	—	—	50	1,756	9,0700	,8728	,4382	9,0136
1488	———	7.8	3	50 24,58	1,924	9,0264	,8283	,2842	8,9548
1489	———	7	3	50 28,83	2,197	8,9480	,7499	,3418	8,8360
1490	———	7.8	3	50 36,13	1,908	9,0310	,8324	,2806	8,9611
1491	Antl. Pneum.	7	3	50 54,31	2,745	—8,7918	+8,5916	+0,4385	+8,4079
1492	Argus	8	3	51 10,87	2,076	8,9859	,7848	,3172	,8958
1493	———	7.8	3	51 12,29	2,246	8,9358	,7342	,3514	,8144
1494	φ ———	5	3	51 15,26	2,095	8,9806	,7796	,3212	,8876
1495	———	7.8	3	51 19,79	2,255	8,9333	,7313	,3531	,8100
1496	Argus	7	3	51 23,76	2,162	—8,9615	+8,7592	+0,3348	+8,8574
1497	Antl. Pneum.	7	3	51 33,54	2,682	8,8084	,6053	,4285	,4880
1498	Argus	6.7	3	51 35,11	2,289	8,9238	,7208	,3596	,7927
1499	———	9	3	52 13,83	2,016	9,0067	,8010	,3045	,7259
1500	Antl. Pneum.	8	3	52 50,53	2,653	8,8188	,6102	,4237	,5258
1501	Argus	7.8	3	53 2,75	1,791	—9,0708	+8,8618	+0,2531	+9,0135
1502	———	7.8	3	53 3,35	2,385	8,8984	,6891	,3775	8,7419
1503	Antl. Pneum.	8.9	3	53 20,20	2,720	8,8020	,5913	,4346	8,4503
1504	Argus	7.8	3	53 25,49	1,759	9,0804	,8697	,2453	9,0257
1505	———	8	3	53 55,72	1,978	9,0231	,8104	,2962	8,9485
1506	Argus	—	—	54	1,778	—9,0772	+8,8643	+0,2499	+9,0215
1507	———	8.9	4	54 12,86	1,781	9,0775	,8637	,2507	9,0217
1508	Antl. Pneum.	7.8	3	54 31,93	2,508	8,8642	,6487	,3993	8,6620
1509	Argus	7.8	3	54 56,94	2,250	8,9454	,7282	,4445	8,8280
1510	———	7.8	3	54 57,65	1,881	9,0537	,8364	,2744	8,9901
1511	Antl. Pneum.	7	3	55 2,32	2,611	—8,8346	+8,6168	+0,4168	+8,5757
1512	Argus	7	3	55 9,16	2,035	9,0108	,7927	,3086	,9304
1513	———	6.7	3	55 39,67	2,071	9,0019	,7818	,3162	,9171
1514	Antl. Pneum.	7	3	55 40,85	2,673	8,8186	,5979	,4270	,5153
1515	Argus	8	3	55 49,54	1,901	9,0513	,8301	,2790	,9865
1516	Argus	7	3	55 52,63	2,167	—8,9737	+8,7525	+0,3358	+8,8738
1517	———	8.9	3	55 58,87	1,898	9,0522	,8309	,2783	,9877
1518	———	8	3	56 16,82	2,115	8,9908	,7679	,3253	,9002
1519	Antl. Pneum.	7.8	3	56 21,51	2,632	8,8315	,6079	,4203	,5615
1520	——— ———	7.8	3	56 22,48	2,731	8,8045	,5810	,4363	,4490
1521	Argus	8.9	3	56 24,84	2,116	—8,9908	+8,7673	+0,3255	+8,9000
1522	———	7.8	3	56 32,74	2,030	9,0170	,7929	,3075	8,9386
1523	———	—	—	56	2,304	8,9330	,7095	,3625	8,8049
1524	———	8.9	4	55 42,97	1,829	9,0720	,8494	,2622	9,0139
1525	———	6.7	4	56 55,10	1,901	9,0548	,8293	,2790	8,9909
1526	Argus	6.7	3	57 1,36	2,364	—8,9156	+8,6895	+0,3736	+8,7716
1527	———	8	3	57 1,78	2,078	9,0055	,7780	,3176	,9215
1528	———	9	3	57 15,70	2,218	8,9625	,7352	,3459	,8548
1529	Antl. Pneum.	6.7	3	57 34,00	2,715	8,8107	,5823	,4338	,4741
1530	Argus	9	2	57 37,71	1,977	9,0357	,8072	,2960	,9645

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a′	b′	c′	d′	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
1486	34 4 0,33	−16,912	+9,8195	+9,6749	−1,2282	−9,7296	2742	− 3,95	—	+ 3,74
1487	61 21	16,918	,8319	,8698	,2283	,7292	2743	—	—	—
1488	57 58 56,29	16,927	,8351	,8551	,2286	,7286	2744	− 1,56	—	+ 5,17
1489	50 34 39,75	16,927	,8382	,8147	,2286	,7286	2745	− 1,31	− 1,80	− 0,36
1490	58 20 53,72	16,934	,8344	,8570	,2287	,7282	2746	− 2,26	—	+ 2,97
1491	24 22 12,57	16,952	+9,7889	+9,5434	−1,2292	−9,7270	2747	− 3,37	—	− 2,44
1492	54 19 22,62	16,962	,8363	,8374	,2295	,7264	2750	− 3,42	—	+ 2,35
1493	49 6 36,94	16,965	,8370	,8063	,2295	,7262	2751	− 1,78	—	+ 2,56
1494	53 48 25,09	16,965	,8363	,8347	,2295	,7262	2752	− 2,41	− 2,79	+ 5,24
1495	48 47 41,80	16,971	,8363	,8045	,2297	,7258	2753	− 2,60	—	+ 2,77
1496	51 52 42,41	16,974	+9,8363	+9,8238	−1,2298	−9,7256	2754	− 2,09	− 2,68	+ 1,12
1497	28 32 30,66	16,983	,8028	,6077	,2300	,7250	2755	− 2,57	—	+ 4,05
1498	47 39 6,27	16,983	,8357	,7970	,2300	,7250	2758	− 2,09	− 0,53	+ 4,00
1499	56 6 9,81	16,985	,8331	,8481	,2307	,7232	2763	− 2,14	—	+ 0,21
1500	30 35 8,98	17,046	,8069	,6367	,2316	,7210	2764	—	—	+ 6,34
1501	61 10 11,27	17,048	+9,8261	+9,8724	−1,2317	−9,7207	2767	− 2,30	—	+ 6,75
1502	44 11 26,13	17,051	,8306	,7733	,2317	,7205	2766	− 2,80	—	+ 4,14
1503	26 23 22,64	17,066	,7938	,5785	,2321	,7195	2768	− 0,78	—	+ 1,98
1504	61 49 18,65	17,066	,8241	,8755	,2321	,7195	2769	− 2,33	—	+ 2,62
1505	57 21 47,81	17,088	,8287	,8562	,2327	,7181	2773	− 1,74	—	+ 0,82
1506	61 33	17,088	+9,8228	+9,8751	−1,2327	−9,7181	2774	—	—	—
1507	61 33 8,26	17,100	,8228	,8753	,2330	,7173	2776	− 3,34	—	+ 7,55
1508	38 40 57,53	17,118	,8222	,7293	,2335	,7160	2777	− 1,50	—	+ 10,65
1509	49 42 37,10	17,137	,8299	,8145	,2339	,7148	2783	− 2,16	—	+ 3,79
1510	59 43 43,34	17,137	,8241	,8684	,2339	,7147	2784	− 1,68	—	− 5,02
1511	33 24 18,03	17,142	+9,8109	+9,6733	−1,2341	−9,7143	2782	− 2,51	—	+ 6,69
1512	56 10 45,41	17,146	,8267	,8518	,2341	,7141	2786	− 3,22	—	0,00
1513	55 19 43,32	17,166	,8267	,8480	,2347	,7127	2789	− 2,97	− 2,89	− 2,65
1514	29 48 32,53	17,172	,8007	,6297	,2348	,7123	2788	− 2,09	—	− 4,19
1515	59 27 29,54	17,179	,8222	,8683	,2350	,7118	2791	+ 0,19	—	− 2,82
1516	52 35 38,94	17,179	+9,8274	+9,8332	−1,2350	−9,7118	2790	− 2,36	− 3,43	+ 2,37
1517	59 31 30,90	17,179	,8222	,8686	,2350	,7118	2792	− 5,04	—	− 8,53
1518	54 14 0,42	17,197	,8267	,8428	,2354	,7106	2796	− 1,83	—	+ 3,56
1519	32 27 58,67	17,202	,8069	,6637	,2356	,7101	2794	− 3,14	—	− 1,86
1520	26 8 17,40	17,202	,7889	,5781	,2356	,7101	2795	− 2,10	—	− 3,88
1521	54 12 39,05	17,202	+9,8261	+9,8429	−1,2356	−9,7101	2800	− 1,82	—	− 1,65
1522	56 34 48,05	17,208	,8241	,8554	,2357	,7097	2801	− 3,39	—	+ 3,12
1523	48 5	17,202	,8274	,8055	,2356	,7101	2798	—	—	—
1524	60 59 45,98	17,193	,8189	,8753	,2354	,7108	2797	+29,83	—	+ 1,41
1525	59 39 4,04	17,223	,8195	,8703	,2361	,7087	2806	− 2,31	− 2,97	− 2,41
1526	45 51 49,74	17,229	+9,8254	+9,7904	−1,2363	−9,7082	2805	− 2,28	—	+ 0,72
1527	55 29 9,22	17,244	,8235	,8507	,2366	,7072	2808	+17,48	—	− 5,01
1528	51 16 32,97	17,241	,8254	,8270	,2366	,7074	2807	− 2,06	—	+ 2,08
1529	27 24 51,80	17,253	,7917	,5984	,2369	,7065	2809	− 4,46	—	− 5,61
1530	58 3 22,99	17,253	,8202	,8638	,2369	,7065	2810	− 3,47	—	+ 1,70

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s.				
1531	Argus	7.8	5	9 57 51,52	+ 1,920	—9,0528	+8,8233	+0,2833	+8,9879
1532	——	—	—	57	1,924	9,0518	,8222	,2842	8,9864
1533	——	7	3	57 56,21	1,825	9,0792	,8491	,3927	9,0227
1534	Antl. Pneum.	7	3	57 56,65	2,716	8,8112	,5808	,4339	8,4749
1535	Argus	7	3	58 7,98	2,324	8,9315	,7005	,3662	8,8005
1536	Antl. Pneum.	6.7	3	58 20,96	2,584	—8,8499	+8,6177	+0,4123	+8,6152
1537	Argus	7.8	1	58 30,33	1,925	9,0538	,8213	,2844	8,9889
1538	Antl. Pneum.	7	3	58 30,51	2,636	8,8346	,6018	,4209	8,5664
1539	Argus	7	1	58 29,88	2,233	8,9616	,7288	,3489	8,8524
1540	——	7	2	58 35,02	2,473	8,8850	,6522	,3932	8,7055
1541	o Antl. Pneum.	7	3	58 36,46	2,677	—8,8233	+8,5894	+0,4276	+8,5240
1542	Argus	6.7	1	58 38,41	1,845	9,0763	,8433	,4519	9,0187
1543	——	6.7	3	58 56,21	2,229	8,9640	,7296	,3481	8,8562
1544	——	7	3	59 0,62	2,250	8,9576	,7228	,3522	8,8454
1545	——	7.8	2	59 3,51	2,136	8,9934	,7584	,3296	8,9025
1546	Argus	6.7	3	59 29,66	2,070	—9,0149	+8,7781	+0,3160	+8,9342
1547	——	6.7	3	10 0 9,98	2,232	8,9669	,7272	,3487	8,8601
1548	——	7	3	0 47,95	2,268	8,9574	,7148	,3556	8,8438
1549	Antl .Pneum.	7	3	1 8,08	2,577	8,8581	,6140	,4111	8,6333
1550	Argus	8	3	1 13,33	2,226	8,9723	,7276	,3475	8,8681
1551	Argus	6.7	3	1 18,93	2,347	—8,9333	+8,6883	+0,3705	+8,8010
1552	Antl. Pneum.	7.8	3	1 23,33	2,618	8,8458	,6005	,4180	8,5962
1553	—— ——	7.8	3	2 28,07	2,658	8,8363	,5860	,4245	8,5615
1554	—— ——	6.7	3	2 38,76	2,608	8,8514	,6014	,4163	8,6111
1555	Argus	7	3	2 48,41	2,354	8,9353	,6838	,3718	8,8033
1556	Argus	7	3	2 49,75	2,046	—9,0336	+8,7821	+0,3109	+8,9593
1557	Q ——	5.6	3	2 53,07	2,261	8,9661	,7143	,3543	8,8568
1558	——	7	3	2 57,04	1,868	9,0855	,8337	,2714	9,0293
1559	——	7	3	3 26,31	2,379	8,9289	,6747	,3764	8,7908
1560	——	8	6	3 36,67	2,058	9,0327	,7776	,3134	8,9576
1561	Antl. Pneum.	6.7	3	3 51,51	2,559	—8,8701	+8,6138	+0,4081	+8,6609
1562	Argus	8	2	3 54,25	1,962	9,0622	,8059	,2927	8,9982
1563	——	7	3	3 54,61	2,368	8,9338	,6776	,3744	8,7996
1564	——	—	—	3	2,061	9,0331	,7762	,3141	8,9581
1565	Antl. Pneum.	7	3	4 44,15	2,641	8,8459	,5857	,4218	8,5885
1566	Antl. Pneum.	6.7	3	4 45,50	2,728	—8,8202	+8,5597	+0,4358	+8,4896
1567	—— ——	7	3	4 52,32	2,625	8,8511	,5904	,4191	8,6050
1568	—— ——	8	3	5 8,56	2,544	8,8780	,6161	,4055	8,6790
1569	—— ——	8	3	5 32,66	2,718	8,8246	,5606	,4342	8,5065
1570	—— ——	6	2	5 58,39	2,754	8,8153	,5494	,4399	8,4612
1571	Argus	8.9	3	6 6,42	1,920	—9,0824	+8,8163	+0,2833	+9,0243
1572	——	7.8	3	6 7,44	2,185	9,0011	,7347	,3394	8,9103
1573	——	6.7	3	6 13,06	2,078	9,0356	,7688	,3176	8,9606
1574	Antl. Pneum.	7	3	6 21,56	2,667	8,8412	,5735	,4260	8,5686
1575	Argus	8	3	6 39,43	1,935	9,0800	,8115	,2867	9,0209

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	b'	c'	d'		M.C.	T.	
	° ′ ″	″						s.	s.	″
1531	59 24 20,08	—17,265	+9,8176	+9,8703	—1,2372	—9,7057	2815	— 1,77	—	— 1,41
1532	59 19	17,265	,8182	,8699	,2372	,7057	2814	—	—	—
1533	61 23 1,83	17,271	,8149	,8789	,2372	,7055	2816	— 1,31	— 2,64	+ 0,50
1534	27 25 19,28	17,274	,7917	,5991	,2374	,7050	2813	— 2,09	—	+ 1,11
1535	47 40 21,46	17,280	,8241	,8046	,2375	,7046	2818	— 2,12	—	+ 3,06
1536	35 36 32,70	17,291	+9,8109	+9,7013	—1,2378	—9,7037	2819	— 2,57	—	— 3,46
1537	59 25 29,54	17,295	,8169	,8711	,2379	,7035	2827	— 1,83	—	+ 7,77
1538	32 36 52,45	17,297	,8041	,6679	,2380	,7033	2822	— 1,93	—	— 3,39
1539	51 1	17,297	,8235	,8269	,2380	,7033	2824	— 1,61	—	—
1540	41 23 46,91	17,298	,8189	,7566	,2380	,7033	2825	— 5,38	— 3,33	+ 0,23
1541	30 6 55,25	17,310	+9,7980	+9,6371	—1,2383	—9,7024	2823	— 2,88	—	— 3,34
1542	61 6 35,88	17,301	,8136	,8785	,2381	,7031	2831	— 2,28	— 2,85	+ 0,22
1543	51 15 0,14	17,315	,8222	,8286	,2384	,7020	2833	— 3,14	—	— 0,94
1544	50 32 20,56	17,317	,8228	,8244	,2385	,7018	2834	— 2,10	—	+ 4,16
1545	54 10 29,20	17,321	,8209	,8457	,2386	,7016	2835	— 1,70	—	+ 1,75
1546	56 7 19,85	17,339	+9,8182	+9,8563	—1,2390	—9,7003	2837	— 2,72	—	—57,61
1547	51 24 39,01	17,368	,8202	,8310	,2397	,6981	2840	— 2,63	—	+ 3,98
1548	50 17 58,94	17,397	,8189	,8249	,2405	,6959	2844	— 1,28	— 3,72	+ 6,66
1549	36 33 10,89	17,411	,8082	,7141	,2408	,6948	2845	— 1,49	—	— 3,39
1550	51 45 20,83	17,417	,8176	,8348	,2410	,6943	2847	+ 0,01	—	+5,11,30
1551	47 28 48,86	17,420	+9,8176	+9,8067	—1,2410	—9,6941	2849	— 2,36	—	+ 3,69
1552	34 13 56,70	17,423	,8041	,6895	,2411	,6939	2850	— 2,21	—	— 0,44
1553	32 3 53,54	17,471	,7980	,6656	,2423	,6901	2855	— 1,19	—	+ 6,71
1554	35 4 30,59	17,469	,8041	,7000	,2423	,6903	2857	— 2,75	—	— 6,70
1555	47 31 27,03	17,483	,8156	,8087	,2426	,6892	2859	— 2,39	—	+ 4,39
1556	57 24 55,39	17,483	+9,8102	+9,8664	—1,2426	—9,6892	2861	— 2,18	—	+ 0,18
1557	51 1 43,05	17,486	,8149	,8315	,2427	,6890	2860	— 2,31	— 1,88	+ 0,93
1558	61 26 19,17	17,486	,8034	,8845	,2427	,6890	2862	— 3,50	—	+ 3,99
1559	46 39 42,86	17,509	,8142	,8032	,2432	,6872	2863	—	— 3,05	+ 5,65
1560	57 15 24,82	17,517	,8089	,8665	,2435	,6865	2864	— 2,85	—	— 4,66
1561	38 7 29,60	17,528	+9,8069	+9,7328	—1,2437	—9,6856	2865	— 2,93	—	+ 2,35
1562	59 37 54,79	17,529	,8041	,8778	,2437	,6856	2867	— 0,67	—	— 0,22
1563	47 13 41,52	17,529	,8136	,8076	,2437	,6856	2866	— 2,88	—	— 0,21
1564	57 15	17,534	,8069	,8669	,2439	,6851	2868	—	—	—
1565	33 32 38,52	17,565	,7980	,6854	,2446	,6826	2872	— 3,16	—	+ 3,17
1566	27 49 2,63	17,567	+9,7846	+9,6122	—1,2447	—9,6824	2873	— 2,45	—	— 0,12
1567	34 32 15,47	17,570	,7993	,6967	,2448	,6821	2874	— 2,90	—	— 4,69
1568	39 13 22,15	17,582	,8055	,7442	,2451	,6812	2876	— 1,87	—	—1,2,66
1569	28 42 36,37	17,601	,7860	,6255	,2455	,6796	2877	— 2,09	—	+ 4,75
1570	26 14 24,36	17,618	,7781	,5900	,2460	,6782	2881	— 1,61	—	+ 0,91
1571	60 58 48,01	17,621	+9,7973	+9,8859	—1,2460	—9,6780	2886	— 1,84	—	+ 0,46
1572	54 11 44,35	17,624	,8062	,8533	,2461	,6777	2885	— 2,14	—	+ 2,70
1573	57 16 20,14	17,626	,8021	,8693	,2462	,6775	2887	— 2,70	—	— 2,03
1574	32 14 39,95	17,635	,7931	,6719	,2464	,6768	2888	— 2,15	— 3,77	+ 0,08
1575	60 45 8,46	17,643	,7966	,8855	,2466	,6761	2891	— 2,75	—	+ 5,44

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
1576	Argus	7.8	3	10 6 41,43	+ 2,385	—8,9361	+8,6672	+0,3775	+8,8012
1577	Antl. Pneum.	7.8	3	6 58,11	2,546	8,8821	,6117	,4059	,6864
1578	—— ——	7.8	3	7 7,85	2,547	8,8820	,6110	,4060	,6860
1579	Argus	6	3	7 13,17	2,304	8,9653	,6941	,3625	,8525
1580	——	7	3	7 20,79	2,291	8,9703	,6984	,3600	,8607
1581	Argus	6.7	3	7 37,11	2,016	—9,0596	+8,7865	+0,3045	+8,9934
1582	——	7	3	7 38,24	2,143	9,0200	,7466	,3310	8,9377
1583	——	7	3	7 39,75	2,501	8,8989	,6252	,3979	8,7247
1584	——	7	3	8 9,22	1,944	9,0832	,8076	,2887	9,0246
1585	——	7	3	8 10,36	2,512	8,8965	,6207	,4000	8,7188
1586	Argus	8	4	8 19,79	2,295	—8,9719	+8,6954	+0,3608	+8,8627
1587	Antl. Pneum.	6.7	3	8 21,15	2,618	8,8610	,5843	,4180	,6276
1588	Argus	7	3	9 21,43	2,208	9,0041	,7234	,3440	,9132
1589	——	7.8	3	9 31,12	2,346	8,9580	,6763	,3703	,8384
1590	——	7	3	10 35,71	2,041	9,0623	,7757	,3098	,9960
1591	Argus	6.7	4	10 49,66	2,433	—8,9315	+8,6436	+0,3861	+8,7889
1592	——	7.8	3	11 12,78	2,399	8,9447	,6550	,3800	,8134
1593	Antl. Pneum	6.7	3	11 36,79	2,626	8,8658	,5739	,4193	,6354
1594	Argus	7	3	11 40,21	2,542	8,8952	,6033	,4052	,7112
1595	Antl. Pneum	7	3	12 3,95	2,662	8,8546	,5609	,4252	,6005
1596	Argus	8.9	3	12 20,74	2,323	—8,9751	+8,6800	+0,3660	+8,8653
1597	——	—	—	12	2,197	9,0196	,7230	,3418	,9347
1598	——	7	3	12 44,54	2,353	8,9660	,6688	,3716	,8498
1599	——	7	5	12 48,89	2,198	9,0197	,7225	,3420	,9348
1600	——	8	3	12 52,42	2,469	8,9243	,6267	,3925	,7727
1601	Argus	8.9	3	12 54,54	2,201	—9,0189	+8,7213	+0,3426	+8,9336
1602	Antl. Pneum.	7	2	13 2,56	2,688	8,8482	,5497	,4294	,5766
1603	Argus	7.8	3	13 8,78	2,203	9,0191	,7203	,3430	,9338
1604	—— —	8	3	13 8,74	2,203	9,0191	,7203	,3430	,9338
1605	Antl. Pneum.	6.7	3	13 21,46	2,708	8,8423	,5423	,4326	,5546
1606	Argus	6.7	3	13 22,30	2,422	—8,9429	+8,6432	+0,3842	+8,8083
1607	——	7.8	3	13 37,32	2,335	8,9747	,6737	,3683	,8640
1608	——	6.7	3	13 36,68	2,238	9,0088	,7078	,3499	,9182
1609	——	6.7	3	13 46,12	2,430	8,9412	,6392	,3856	,8047
1610	——	—	—	13	2,208	9,0197	,7181	,3440	,9344
1611	Antl. Pneum.	7	3	13 53,41	2,795	—8,8171	+8,5145	+0,4464	+8,4365
1612	Argus	7.8	3	14 4,93	2,161	9,0367	,7335	,3346	,9590
1613	Antl. Pneum.	8	3	14 14,12	2,737	8,8350	,5308	,4373	,5228
1614	Argus	7	3	14 16,38	2,436	8,9405	,6364	,3867	,8031
1615	——	—	—	14	2,077	9,0657	,7606	,3174	,9992
1616	Argus	8	3	14 47,00	2,178	—9,0335	+8,7268	+0,4725	+8,9541
1617	——	7	4	14 36,69	2,087	9,0631	,7573	,3195	,9956
1618	Antl. Pneum.	7	3	15 2,00	2,744	8,8341	,5263	,4384	,5167
1619	Argus	8	3	15 24,70	2,138	9,0493	,7397	,3300	,9763
1620	——	—	—	15	2,093	9,0651	,7543	,3208	,9980

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
1576	47 7 44,32	—17,646	+9,8082	+9,8099	—1,2466	—9,6759	2890	— 2,44	—	+ 3,66
1577	39 33 20,09	17,660	,8028	,7493	,2470	,6747	2892	— 3,17	— 2,80	— 0,47
1578	39 31 9,19	17,665	,8034	,7492	,2471	,6742	2894	— 3,09	—	— 0,57
1579	50 26 30,25	17,668	,8062	,8325	,2472	,6740	2895	— 2,66	— 3,27	+ 4,26
1580	50 57 54,95	17,673	,8055	,8358	,2473	,6735	2896	— 2,67	—	+ 2,85
1581	59 7 34,86	17,684	+9,7966	+9,8794	—1,2476	—9,6726	2899	— 2,25	— 2,65	+ 3,32
1582	55 47 43,36	17,687	,8014	,8634	,2476	,6723	2900	— 1,33	—	— 0,75
1583	42 0 56,91	17,687	,8041	,7716	,2476	,6723	2898	— 2,01	—	+ 1,46
1584	60 52 1,25	17,706	,7917	,8876	,2481	,6707	2909	— 3,04	—	— 1,72
1585	41 35 23,44	17,709	,8028	,7685	,2482	,6704	2906	— 2,17	—	— 1,14
1586	51 1 16,95	17,714	+9,8041	+9,8372	—1,2483	—9,6699	2911	— 2,39	—	+ 3,17
1587	35 43 28,76	17,717	,7959	,7131	,2484	,6697	2910	— 1,83	—	— 5,17
1588	54 10 45,83	17,752	,7993	,8564	,2492	,6666	2920	— 4,92	—	+ 6,19
1589	49 22 52,63	17,760	,8021	,8279	,2494	,6659	2921	— 3,34	— 2,50	+ 2,11
1590	59 6 24,21	17,803	,7903	,8822	,2505	,6620	2926	— 5,68	—	— 3,84
1591	46 2 13,00	17,814	+9,8000	+9,8063	—1,2508	—9,6610	2928	— 2,14	— 3,22	+ 1,82
1592	47 37 9,59	17,830	,7986	,8179	,2511	,6595	2931	— 1,72	—	+ 4,27
1593	36 0 20,62	17,849	,7910	,7193	,2516	,6578	2932	— 1,33	—	— 0,84
1594	40 52 9,83	17,849	,7966	,7658	,2516	,6578	2933	— 3,33	— 2,68	— 1,83
1595	33 48 59,67	17,865	,7867	,6959	,2520	,6563	2936	— 2,51	—	+ 6,57
1596	50 56 45,02	17,875	+9,7952	+9,8406	—1,2522	—9,6553	2937	— 1,35	—	+ 6,54
1597	55 18	17,888	,7910	,8658	,2526	,6541	2939	—	—	—
1598	49 54 58,71	17,894	,7952	,8346	,2527	,6536	2941	— 2,43	—	— 2,21
1599	55 18 57,21	17,894	,7896	,8659	,2527	,6536	2943	— 1,20	—	— 4,66
1600	44 50 46,31	17,896	,7959	,7993	,2528	,6533	2942	— 2,46	—	+ 2,64
1601	55 13 53,21	17,896	+9,7903	+9,8655	—1,2528	—9,6533	2944	— 3,90	—	— 3,63
1602	32 19 35,54	17,904	,7832	,6795	,2529	,6525	2945	— 3,37	—	+ 6,97
1603	55 13 17,17	17,907	,7896	,8658	,2530	,6523	2946	— 2,25	—	— 1,34
1604	55 13 18,08	17,907	,7896	,8658	,2530	,6523	2947	— 2,12	—	+36,36
1605	31 0 47,06	17,917	,7803	,6636	,2533	,6513	2948	— 1,41	—	— 3,36
1606	47 9 30,51	17,915	+9,7952	+9,8165	—1,2532	—9,6515	2949	— 3,01	—	— 0,06
1607	50 45 58,59	17,925	,7931	,8408	,2535	,6505	2951	— 2,62	—	— 0,08
1608	54 13 36,08	17,925	,7903	,8609	,2535	,6505	2952	— 1,82	— 2,64	+ 3,62
1609	46 53 45,95	17,933	,7938	,8153	,2536	,6498	2954	— 2,90	— 3,75	+ 4,44
1610	55 13	17,933	,7882	,8663	,2536	,6500	2957	—	—	—
1611	24 34 10,01	17,938	+9,7642	+9,5712	—1,2538	—9,6493	2956	— 2,11	—	— 3,42
1612	56 42 15,99	17,943	,7853	,8742	,2539	,6488	2959	—33,00	—	+ 1,78
1613	29 8 2,63	17,951	,7752	,6400	,2541	,6480	2960	— 2,34	— 3,87	+ 6,07
1614	46 45 42,73	17,951	,7931	,8148	,2541	,6480	2963	— 2,12	—	+ 1,94
1615	59 4	17,959	,7810	,8859	,2543	,6472	2965	—	—	—
1616	56 21 55,22	17,972	+9,7846	+9,8733	—1,2546	—9,6460	2968	— 3,15	—	+ 2,47
1617	58 51 4,44	17,967	,7803	,8851	,2545	,6465	2966	— 2,71	—	— 1,14
1618	28 45 5,21	17,982	,7723	,6355	,2548	,6449	2970	— 2,24	—	+ 2,16
1619	57 40 40,40	17,995	,7810	,8802	,2551	,6436	2975	— 2,15	—	— 0,64
1620	58 56	18,005	,7781	,8864	,2554	,6426	2977	—	—	—

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
1621	Antl. Pneum.	6.7	3	10 15 53,73	+2,738	—8,8374	+8,5253	+0,4374	+8,5282
1622	—— ——	—	—	16	2,747	8,8357	,5210	,4389	8,5195
1623	Argus	9	3	16 43,88	2,015	9,0935	,7785	,3043	9,0556
1624	——	9	6	16 43,47	2,101	9,0663	,7503	,3224	8,9993
1625	——	8.9	3	16 44,00	2,017	9,0937	,7777	,3047	9,0558
1626	Argus	8.9	3	17 14,26	2,011	—9,0973	+8,7791	+0,3034	+9,0404
1627	——	7.8	3	16 24,85	2,162	9,0486	,7293	,3349	8,9745
1628	——	9	3	17 56,30	2,035	9,0931	,7706	,3086	9,0346
1629	——	8	3	18 0,30	2,133	9,0607	,7382	,3290	8,9912
1630	——	7.8	3	18 1,19	2,178	9,0454	,7232	,3381	8,9698
1631	Antl. Pneum.	7	4	18 1,79	2,757	—8,8353	+8,5129	+0.4404	+8,5123
1632	Argus	9	3	18 13,66	2,124	9,0645	,7414	,3271	8,9964
1633	——	6	3	18 25,88	2,559	8,9067	,5823	,4081	8,7295
1634	——	7.8	3	18 30,79	2,294	9,0059	,6812	,3606	8,9118
1635	——	7	3	18 39,34	2,404	8,9659	,6405	,3809	8,8458
1636	Argus	7.8	3	18 47,18	2,104	—9,0735	+8,7474	+0,3230	+9,0081
1637	——	7.8	2	18 53,33	2,050	9,0915	,7651	,3117	9,0324
1638	——	6.7	3	19 12,60	2,166	9,0540	,7259	,3357	8,9814
1639	Antl. Pneum.	7	3	19 25,59	2,616	8,8878	,5584	,4176	8,6527
1640	Argus	7	2	19 29,96	2,158	9,0576	,7283	,3340	8,9864
1641	Argus	7.8	4	19 39,76	2,284	—9,0139	+8,6835	+0,3587	+8,9229
1642	——	7	3	20 2,80	2,317	9,0029	,6706	,3649	,9058
1643	——	7	3	20 7,17	2,467	8,9466	,6139	,3922	,8097
1644	——	6.7	3	20 39,69	2,294	9,0135	,6782	,3606	,9219
1645	——	7	3	20 53,74	2,537	8,9219	,5853	,4043	,7601
1646	Argus	7.8	3	20 59,84	2,214	—9,0439	+8,7070	+0,3452	+8,9666
1647	——	—	—	21	2,335	9,0002	,6623	,3683	,9014
1648	——	8.9	3	21 26,58	2,440	8,9612	,6219	,3874	,8355
1649	P ——	6	3	21 28,07	2,216	9,0447	,7054	,3456	,9676
1650	——	6.7	3	21 29,85	2,437	8,9624	,6227	,3869	,8376
1651	Argus	8	3	21 41,96	2,057	—9,1004	+8,7601	+0,3132	+9,0432
1652	s ——	5	5	22 1,12	2,184	9,0582	,7163	,3392	8,9864
1653	Antl. Pneum.	7	3	22 1,67	2,647	8,8824	,5401	,4227	8,6547
1654	Argus	7	3	22 47,63	2,241	9,0411	,6951	,3504	8,9618
1655	——	7.8	3	23 8,41	2,116	9,0864	,7387	,3255	9,0243
1656	Argus	9	3	23 17,71	2,165	—9,0700	+8,7213	+0,3355	+9,0023
1657	——	8.9	3	23 19,87	2,051	9,1092	,7601	,3120	9,0541
1658	Antl. Pneum.	7.8	3	23 22,11	2,805	8,8295	,4804	,4479	8,4666
1659	Argus	8	3	23 42,26	2,314	9,0172	,6665	,3644	8,9262
1660	——	7	3	24 7,14	2,553	8,9248	,5720	,4070	8,7631
1661	Argus	7.8	3	24 10,39	2,590	—8,9101	+8,5566	+0,4133	+8,7308
1662	——	7	3	24 17,24	2,590	8,9100	,5569	,4133	8,7307
1663	Antl. Pneum.	7	3	24 17,36	2,699	8,8682	,5141	,4842	8,6195
1664	Argus	7	3	24 53,44	2,554	8,9263	,5694	,4072	8,7656
1665	——	—	—	24	2,555	8,9265	,5685	,4074	8,7657

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1621	29 21 17,17	—18,015	+9,7730	+9,6445	—1,2556	—9,6416	2978	— 3,12	——	— 2,10
1622	28 50	18,035	,7708	,6379	,2561	,6395	2979	——	——	——
1623	61 2 31,52	18,038	,7716	,8964	,2562	,6392	2983	—13,62	——	— 3,70
1624	58 56 50,93	18,046	,7760	,8874	,2564	,6385	2985	— 2,36	——	+ 6,80
1625	61 2 31,63	18,046	,7716	,8966	,2564	,6385	2986	— 2,66	——	— 4,00
1626	61 15 55,86	18,064	+9,7694	+9,8979	—1,2568	—9,6366	2988	— 3,04	——	+ 5,57
1627	57 27 35,05	18,071	,7760	,8810	,2570	,6358	2990	+57,73	——	— 2,33
1628	60 54 29,29	18,096	,7686	,8972	,2576	,6332	2996	+ 4,82	——	+ 3,30
1629	58 23 50,36	18,096	,7730	,8862	,2576	,6332	2994	— 2,03	——	+ 8,55
1630	57 8 40,69	18,094	,7752	,8800	,2575	,6334	2993	— 2,52	——	— 5,23
1631	28 22 57,20	18,096	+9,7679	+9,6332	—1,2576	—9,6332	2992	— 2,68	——	+ 2,40
1632	58 42 10,47	18,101	,7723	,8876	,2577	,6327	2997	— 3,22	——	— 0,90
1633	41 39 18,97	18,111	,7846	,7789	,2579	,6316	3000	— 2,67	—2,43	+ 1,39
1634	53 30 40,51	18,114	,7796	,8615	,2580	,6313	3001	— 2,84	——	— 0,58
1635	49 17 39,93	18,119	,7832	,8361	,2581	,6308	3002	— 3,40	——	+ 1,46
1636	59 22 52,56	18,124	+9,7694	+9,8912	—1,2582	—9,6303	3003	— 1,69	——	— 2,86
1637	60 44 31,93	18,126	,7664	,8972	,2583	,6300	3004	— 2,79	——	— 2,17
1638	57 45 52,22	18,139	,7716	,8841	,2586	,6286	3007	— 2,32	——	+ 3,[illegible]
1639	38 32 54,93	18,148	,7810	,7519	,2588	,6276	3008	— 3,12	——	+ 6,[illegible]
1640	58 3 35,64	18,148	,7708	,8857	,2588	,6276	3009	— 3,46	——	— 1,77
1641	54 10 44,45	18,156	+9,7760	+9,8661	—1,2590	—9,6268	3010	— 2,53	——	+ 1,33
1642	53 4 40,87	18,171	,7767	,8604	,2594	,6251	3013	— 1,96	——	+ 0,42
1643	46 50 37,25	18,173	,7818	,8207	,2594	,6249	3016	— 3,72	——	+ 2,95
1644	54 3 50,65	18,193	,7738	,8664	,2599	,6227	3017	— 2,13	——	— 0,52
1645	43 31 35,58	18,203	,7803	,7964	,2601	,6216	3018	— 2,19	— 3,26	+ 5,44
1646	56 47 30,77	18,205	+9,7694	+9,8810	—1,2602	—9,6213	3019	— 2,29	— 4,66	+ 4,34
1647	52 41	18,212	,7752	,8592	,2604	,6205	3020	——	——	——
1648	48 27 11,15	18,222	,7781	,8330	,2606	,6194	3021	— 1,59	——	—10,78
1649	56 49 25,32	18,222	,7672	,8815	,2606	,6194	3023	— 2,65	— 4,24	+ 2,35
1650	48 35 13,15	18,224	,7781	,8340	,2606	,6191	3022	— 1,08	——	+ 5,83
1651	61 12 0,12	18,230	+9,7581	+9,9016	—1,2608	—9,6186	3026	— 1,85	——	+ 4,61
1652	57 55 22,58	18,242	,7642	,8873	,2611	,6172	3031	— 2,32	— 3,03	+ 1,20
1653	37 14 32,26	18,244	,7752	,7415	,2611	,6169	3029	— 1,06	——	+26,71
1654	56 24 56,99	18,270	,7649	,8806	,2617	,6138	3035	——	— 2,29	—13,97
1655	60 4 40,83	18,283	,7574	,8981	,2620	,6124	3036	—3,47	——	+ 1,45
1656	58 47 35,53	18,289	+9,7597	+9,8925	—1,2622	—9,6116	3038	— 2,47	——	+ 1,84
1657	61 43 54,03	18,292	,7489	,9053	,2623	,6113	3039	— 5,99	——	— 4,46
1658	25 39 56,07	18,292	,7543	,5975	,2623	,6113	3037	— 1,98	——	+ 0,39
1659	54 9 31,72	18,304	,7664	,8696	,2625	,6099	3043	— 2,22	——	+ 6,46
1660	43 32 51,62	18,318	,7738	,7993	,2629	,6082	3045	— 2,62	——	+ 0,77
1661	41 24 1,21	18,323	+9,7731	+9,7818	—1,2630	—9,6076	3047	——	——	+ 0,94
1662	41 24 30,64	18,318	,7731	,7817	,2629	,6079	3048	——	——	— 2,27
1663	34 18 18,05	18,327	,7679	,7125	,2631	,6070	3049	+ 1,09	——	— 9,75
1664	43 39 46,67	18,346	,7723	,8009	,2635	,6047	3052	+ 3,41	——	— 5,03
1665	43 39	18,353	,7716	,8011	,2637	,6039	3056	——	——	——

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. s.	s.				
1666	Argus	7.8	3	10 24 58,58	+2,115	—9,0942	+8,7370	+0,3253	+9,0342
1667	——	8	3	25 9,42	2,233	9,0527	,6948	,3489	8,9776
1668	——	7	3	25 9,86	2,358	9,0056	,6474	,3725	8,9076
1669	——	8	3	26 22,77	2,220	9,0587	,6994	,3463	8,9859
1670	——	6.7	3	25 42,74	2,556	8,9279	,5669	,4076	8,7683
1671	Argus	6.7	3	26 49,06	2,319	—9,0604	+8,6991	+0,3462	+8,9882
1672	——	8	3	25 52,96	2,574	8,9211	,5590	,4106	8,7585
1673	Antl. Pneum.	8	3	26 21,95	2,805	8,8351	,4707	,4479	8,4864
1674	Argus	7	3	26 27,51	2,633	8,8990	,5342	,4204	8,7019
1675	—— ——	9	3	26 36,16	2,186	9,0759	,7104	,3396	9,0098
1676	Argus	—	—	26	2,498	—8,9548	+8,5880	+0,3976	+8,8202
1677	——	7	3	26 49,96	2,227	9,0612	,6944	,3477	8,9890
1678	Antl. Pneum.	6.7	2	27 6,70	2,678	8,8826	,5143	,4278	8,6579
1679	Argus	8	3	27 7,02	2,182	9,0795	,7112	,3388	9,0140
1680	——	7	3	27 23,53	2,243	9,0557	,6888	,3508	8,9813
1681	Antl. Pneum.	7	3	27 25,51	2,758	—8,8525	+8,4822	+0,4409	+8,5584
1682	Argus	8	3	27 30,03	2,209	9,0710	,7006	,3442	9,0023
1683	Antl. Pneum.	6	3	28 7,20	2,650	8,8962	,5227	,4778	8,6929
1684	Argus	8.9	3	28 15,57	2,546	8,9395	,5653	,4059	8,7898
1685	——	6.7	3	28 25,04	2,162	9,0918	,7168	,3348	9,0301
1686	Argus	—	—	28	2,439	—8,9859	+8,6092	+0,3872	+8,8788
1687	——	7	3	28 58,51	2,277	9,0514	,6732	,3574	8,9744
1688	Antl. Pneum.	7	2	29 7,23	2,795	8,8429	,4637	,4464	8,5141
1689	Argus	7	3	29 11,72	2,487	8,9672	,5879	,3957	8,8412
1690	Antl. Pneum.	7	3	29 16,04	2,741	8,8629	,4830	,4379	8,5927
1691	Argus	—	—	29	2,284	—9,0506	+8,6699	+0,3587	+8,9731
1692	——	7	3	29 37,04	2,267	9,0577	,6764	,3554	,9832
1693	——	7	2	29 44,40	2,267	9,0582	,6761	,3554	,9838
1694	Antl. Pneum.	7	3	29 49,97	2,761	8,8564	,4732	,4411	,5678
1695	Argus	7.8	3	29 56,83	2,531	8,9514	,5679	,4033	,8116
1696	Argus	7.8	3	30 26,15	2,599	—8,9239	+8,5379	+0,4148	+8,7553
1697	Antl. Pneum.	7	3	30 26,35	2,713	8,8762	,4902	,4334	8,6339
1698	Argus	7	3	30 22,10	2,230	9,0752	,6895	,3483	9,0072
1699	——	—	—	30	2,274	9,0588	,6725	,3568	8,9845
1700	——	8	3	30 31,92	2,243	9,0705	,6842	,3508	9,0007
1701	Argus	8	3	30 39,00	2,245	—9,0704	+8,6833	+0,3512	+9,0006
1702	——	6.7	3	30 50,39	2,395	9,0113	,6232	,3971	8,9140
1703	——	6.7	3	31 22,60	2,265	9,0657	,6746	,3551	8,9938
1704	——	6.7	3	31 49,58	2,618	8,9197	,5261	,4180	8,7448
1705	——	6.7	3	31 50,42	2,313	9,0486	,6550	,3642	8,9695
1706	Antl. Pneum.	7	3	32 1,70	2,707	—8,8825	+8,4879	+0,4325	+8,6504
1707	Argus	7.8	3	32 24,11	2,122	9,1234	,7269	,3267	9,0704
1708	——	—	—	32	2,259	9,0729	,6756	,3539	9,0034
1709	——	5.6	3	32 40,53	2,263	9,0722	,6739	,3547	9,0024
1710	——	7.8	4	32 41,40	2,260	9,0730	,6747	,3541	9,0035

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
			a'	*b'*	*c'*	*d'*				
	° ′ ″	″						s.	s.	″
1666	60 32 15,27	−18,349	+9,7505	+9,9017	−1,2636	−9,6045	3057	− 3,52	—	− 0,80
1667	57 13 44,53	18,353	,7581	,8867	,2637	,6039	3061	− 4,86	—	+1,313
1668	52 54 10,85	18,356	,7649	,8638	,2638	,6036	3062	− 2,23	− 2,04	+ 6,62
1669	57 43 21,57	18,362	,7566	,8892	,2639	,6027	3063	+59,19	—	− 0,86
1670	43 47 39,42	18,374	,7701	,8026	,2642	,6013	3064	− 2,80	—	+ 3,23
1671	57 50 34,90	18,376	+9,7551	+9,8901	−1,2643	−9,6010	3066	+57,92	—	− 2,58
1672	42 48 18,12	18,381	,7701	,7949	,2644	,6004	8065	− 2,69	—	+ 1,62
1673	26 31 29,53	18,398	,7520	,6131	,2648	,5984	3070	− 2,94	—	+ 2,32
1674	39 24 49,48	18,400	,7686	,7658	,2648	,5981	3071	− 2,01	—	− 0,14
1675	59 2 32,28	18,404	,7497	,8964	,2649	,5975	3075	− 1,86	—	− 4,04
1676	47 9	18,414	+9,7672	+9,8286	−1,2651	−9,5963	3077	—	—	—
1677	57 50 34,47	18,414	,7528	,8909	,2651	,5963	3076	−12,32	—	+ 0,30
1678	36 33 45,64	18,423	,7657	,7387	,2653	,5951	3079	− 2,31	—	+ 1,33
1679	59 17 24,01	18,423	,7182	,8979	,2653	,5951	3080	− 1,82	—	0,00
1680	57 21 57,01	18,414	,7528	,8888	,2651	,5963	3078	−32,82	—	+ 4,48
1681	80 31 5,30	18,437	+9,7589	+9,6696	−1,2657	−9,5934	3081	—	—	−32,88
1682	58 35 37,81	18,437	,7489	,8951	,2657	,5934	3084	+ 0,03	—	+ 0,71
1683	38 44 10,93	18,457	,7649	,7609	,2662	,5907	3085	− 2,37	—	+ 5,16
1684	45 4 19,61	18,462	,7649	,8146	,2663	,5901	3087	− 1,98	—	− 2,34
1685	60 9 45,70	18,466	,7427	,9028	,2664	,5895	3089	− 3,54	—	− 1,73
1686	50 33	18,477	+9,7597	+9,8526	−1,2666	−9,5880	3090	—	—	—
1687	56 50 57,81	18,486	,7482	,8879	,2668	,5868	3093	− 1,54	—	+ 5,46
1688	27 56 37,55	18,493	,7513	,6362	,2670	,5859	3094	− 2,00	—	− 0,96
1689	48 24 11,14	18,493	,7604	,8391	,2670	,5859	3096	− 2,12	—	+ 9,52
1690	32 26 35,84	18,497	,7581	,6950	,2671	,5853	3097	− 1,52	—	+ 4,84
1691	56 46	18,502	+9,7474	+9,8878	−1,2672	−9,5847	3100	—	—	—
1692	57 21 57,24	18,507	,7459	,8909	,2673	,5841	3105	− 2,94	—	− 6,55
1693	57 23 48,25	18,511	,7459	,8911	,2674	,5834	3107	− 1,89	—	− 1,78
1694	30 56 5,29	18,518	,7551	,6771	,2676	,5825	3106	− 2,00	—	+ 6,18
1695	46 25 34,48	18,520	,7604	,8259	,2676	,5822	3108	− 1,85	—	+ 3,36
1696	42 41 38,36	18,535	+9,7612	+9,7975	−1,2680	−9,5801	3111	− 3,51	—	+ 3,02
1697	34 53 29,26	18,535	,8287	,7238	,2680	,5801	3110	− 2,82	—	− 4,59
1698	58 43 59,08	18,533	,7404	,8980	,2679	,5804	3112	− 1,86	− 2,97	+ 3,59
1699	57 24	18,538	,7435	,8918	,2681	,5798	3115	—	—	—
1700	58 21 39,09	18,538	,7419	,8964	,2681	,5798	3116	− 1,35	—	+ 3,36
1701	58 20 17,64	18,542	+9,7411	+9,8964	−1,2682	−9,5792	3117	− 1,39	—	+ 7,27
1702	53 1 30,32	18,549	,7513	,8690	,2683	,5782	3119	− 1,52	—	+ 4,30
1703	57 54 9,86	18,567	,7396	,8949	,2687	,5758	3121	− 2,61	—	+ 3,21
1704	41 55 17,45	18,582	,7589	,7923	,2691	,5736	3122	− 2,62	− 3,01	+ 0,72
1705	56 25 32,92	18,582	,7419	,8880	,2691	,5736	3123	− 1,87	—	− 3,11
1706	35 50 47,91	18,588	+9,7566	+9,7351	−1,2692	−9,5726	3124	− 2,44	—	− 3,65
1707	62 13 25,78	18,599	,7289	,9145	,2695	,5711	3125	− 2,12	—	− 2,10
1708	58 26	18,603	,7356	,8982	,2696	,5704	3126	—	—	—
1709	58 21 2,13	18,610	,7356	,8980	,2697	,5695	3127	− 1,77	− 3,82	+ 6,76
1710	58 25 47,32	18,611	,7348	,8983	,2697	,5695	3128	− 1,91	—	+ 6,00

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
1711	Argus	8.9	3	10 32 52,96	+ 2,261	—9,0733	+8,6743	+0,3543	+9,0039
1712	———	7	3	32 54,35	2,276	9,0679	,6684	,3572	8,9964
1713	X ———	5.6	3	32 57,56	2,367	9,0312	,6314	,3742	8,9435
1714	———	7.8	3	33 3,37	2,368	9,0312	,6311	,3744	8,9435
1715	———	7.8	3	33 24,10	2,450	8,9979	,5959	,3892	8,8914
1716	Argus	7.8	3	33 24,86	2,552	—8,9532	+8,5512	+0,4069	+8,8127
1717	———	8.9	2	33 33,41	2,210	9,0958	,6930	,3444	9,0341
1718	Antl. Pneum.	7	3	33 34,11	2,725	8,8787	,4755	,4354	8,6365
1719	Argus	—	—	34	2,245	9,0852	,6791	,3512	9,0198
1720	Antl. Pneum.	7	3	34 12,18	2,728	8,8790	,4726	,4358	8,6367
1721	Argus	9.10	2	34 28,95	2,268	—9,0777	+8,6694	+0,3556	+9,0094
1722	———	7	3	34 39,96	2,317	9,0586	,6496	,3649	8,9829
1723	Antl. Pneum.	—	—	34	2,677	8,9021	,4919	,4276	8,6999
1724	Argus	7.8	2	35 8,27	2,260	9,0838	,6718	,3541	9,0177
1725	Antl. Pneum.	7.8	6	35 11,60	2,270	9,0800	,6680	,3562	9,0125
1726	Argus	7.8	3	35 29,59	2,563	—8,9553	+8,5414	+0,4087	+8,8153
1727	———	7	3	34 46,97	2,589	8,9443	,5288	,4131	8,7935
1728	Antl. Pneum.	7	3	35 50,97	2,781	8,8608	,4446	,4442	8,5720
1729	Argus	7.8	3	36 21,62	2,361	9,0476	,6288	,3731	8,9665
1730	Antl. Pneum.	7.8	3	36 23,19	2,693	8,8995	,4802	,4302	8,6912
1731	Argus	8	2	36 30,21	2,293	—9,0762	+8,6566	+0,3604	+9,0069
1732	———	6.7	3	36 30,52	2,296	9,0752	,6556	,3610	9,0055
1733	———	—	—	36	2,297	9,0753	,6549	,3612	9,0056
1734	Antl. Pneum.	8.9	1	36 58,94	2,724	8,8870	,4647	,4352	8,6564
1735	Argus	7.8	3	37 2,72	2,243	9,0983	,6760	,3508	9,0367
1736	Argus	7.8	3	37 9,33	2,239	—9,1006	+8,6776	+0,3500	+9,0397
1737	Antl. Pneum.	7	4	37 20,43	2,725	8,8879	,4633	,4354	8,6583
1738	——— ———	8	2	37 24,36	2,709	8,8947	,4701	,4328	8,6775
1739	Argus	5.6	2	37 27,68	2,261	9,0929	,6683	,3543	8,9294
1740	———	9	3	37 43,33	2,400	9,0364	,6100	,3802	8,9496
1741	E Argus	7.8	3	37 45,06	2,279	—9,0874	+8,6609	+0,3577	+9,0218
1742	———	8	3	37 47,50	2,297	9,0803	,6534	,3585	9,0121
1743	———	8.9	3	37 58,95	2,298	9,0808	,6528	,3613	9,0128
1744	———	7.8	3	38 18,82	2,287	9,0863	,6567	,3593	9,0202
1745	———	7	3	38 46,20	2,578	8,9595	,5269	,4113	8,8212
1746	Argus	7.8	3	39 1,72	2,410	—9,0376	+8,6033	+0,3820	+8,9508
1747	Antl. Pneum.	6.7	3	39 7,22	2,852	8,8402	,4036	,4551	8,4699
1748	Argus	8.9	3	39 30,79	2,317	9,0798	,6428	,3649	9,0110
1749	———	8	3	39 37,66	2,316	9,0807	,6430	,3647	9,0123
1750	———	7.8	3	39 52,23	2,521	8,9911	,5517	,4014	8,8768
1751	Argus	8.9	3	39 59,40	2,322	—9,0788	+8,6399	+0,3659	+9,0096
1752	———	7	3	40 9,40	2,286	9,0953	,6548	,3591	9,0319
1753	———	8.9	3	40 11,64	2,242	9,1133	,6728	,3506	9,0567
1754	———	6	3	40 31,52	2,398	9,0490	,6062	,3798	8,9673
1755	———	7.8	3	40 54,54	2,386	9,0557	,6105	,3777	8,9768

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of a'	b'	c'	d'	Difference from the Brisbane Catalogue. No.	Right Ascension from M.C.	T.	Declin.
	° ′ ″	″						s.	s.	″
1711	58 26 11,12	—18,616	+9,7438	+9,8986	—1,2699	—9,5689	3134	— 0,68	——	— 0,58
1712	57 59 5,00	18,617	,7356	,8935	,2699	,5685	3133	— 2,04	— 2,32	+ 3,74
1713	54 46 24,23	18,619	,7419	,8903	,2699	,5682	3135	— 3,04	— 3,58	— 7,29
1714	54 46 37,45	18,621	,7419	,8904	,2700	,5679	3133	— 1,75	——	— 8,35
1715	51 27 4,37	18,632	,7466	,8618	,2702	,5663	3140	— 1,91	——	— 0,50
1716	46 19 36,83	18,632	+9,7528	+9,8278	—1,2702	—9,5663	3139	— 2,41	——	+ 6,63
1717	60 9 14,33	18,636	,7283	,9068	,2703	,5657	3143	— 3,99	——	— 3,21
1718	34 54 34,22	18,638	,7528	,7233	,2704	,5654	3141	— 3,10	——	— 8,31
1719	59 18	18,655	,7283	,9034	,2703	,5628	3150	——	——	——
1720	34 53 49,94	18,657	,7520	,7266	,2708	,5625	3148	— 3,14	——	— 4,43
1721	58 42 30,37	18,668	+9,7292	+9,9009	—1,2711	—9,5608	3152	— 1,49	——	+ 9,62
1722	57 6 1,47	18,672	,7332	,8935	,2712	,5602	3151	— 3,01	——	+ 0,31
1723	38 51	18,678	,7528	,7672	,2713	,5593	3155	——	——	——
1724	59 8 16,31	18,689	,7259	,9035	,2715	,5576	3159	— 0,74	——	— 0,79
1725	58 50 26,22	18,689	,7237	,9021	,2716	,5576	3162	— 1,84	— 2,19	+ 4,71
1726	46 22 59,53	18,700	+9,7482	+9,8299	—1,2718	—9,5560	3163	— 2,11	——	+ 4,62
1727	44 56 10,12	18,708	,7482	,8193	,2720	,5547	3158	—60,95	——	— 1,12
1728	30 55 15,95	18,712	,7451	,6814	,2721	,5540	3160	— 1,67	——	— 4,28
1729	56 2 26,56	18,727	,7308	,8894	,2725	,5517	3173	— 2,74	——	— 0,09
1730	38 13 14,18	18,729	,7489	,7623	,2725	,5514	3172	— 1,48	——	+ 0,79
1731	58 28	18,731	+9,7243	+9,9013	—1,2725	—9,5510	3174	— 2,88	——	——
1732	58 22 41,00	18,731	,7243	,9009	,2725	,5510	3175	— 1,95	——	+ 4,35
1733	58 22	18,735	,7235	,9010	,2726	,5504	3177	——	——	——
1734	35 59 19,41	18,745	,7474	,7404	,2729	,5487	3179	— 3,65	——	— 2,28
1735	60 9 0,75	18,745	,7185	,9093	,2729	,5487	3180	— 3,74	——	— 8,16
1736	60 19 54,50	18,750	+9,7177	+9,9101	—1,2730	—9,5480	3181	— 2,43	——	— 0,15
1737	36 5 26,92	18,758	,7466	,7417	,2732	,5467	3182	— 2,64	——	— 3,81
1738	37 18 14,20	18,758	,7466	,7541	,2732	,5467	3183	— 3,84	——	— 8,36
1739	59 43 45,99	18,758	,7185	,9077	,2732	,5466	3185	——	— 2,86	— 1,59
1740	54 56 58,21	18,768	,7292	,8847	,2734	,5450	3186	— 2,76	——	— 8,49
1741	59 16 43,84	18,768	+9,7177	+9,9059	—1,2734	—9,5450	3187	— 2,60	— 4,06	+ 1,28
1742	58 42 27,63	18,770	,7202	,9034	,2735	,5447	3188	— 3,30	——	+ 7,00
1743	58 44 12,40	18,776	,7193	,9037	,2736	,5436	3190	— 3,45	——	+ 0,82
1744	59 9 12,82	18,784	,7168	,9058	,2738	,5423	3193	— 5,54	——	+ 2,04
1745	46 37 7,41	18,800	,7412	,8339	,2742	,5396	3197	— 2,43	——	+ 5,29
1746	54 57 8,64	18,808	+9,7259	+9,8857	—1,2743	—9,5382	3199	— 2,41	——	— 6,22
1747	25 12 35,37	18,820	,7308	,6024	,2746	,5361	3200	— 2,19	——	— 4,60
1748	58 33 57,78	18,822	,7152	,9040	,2747	,5358	3202	— 3,33	——	+ 1,95
1749	58 38 47,94	18,827	,7152	,9044	,2748	,5351	3204	— 2,03	——	+ 5,15
1750	50 12 38,23	18,835	,7324	,8588	,2750	,5337	3205	——	——	— 4,28
1751	58 28 40,83	18,832	+9,7152	+9,9037	—1,2749	—9,5340	3207	— 3,80	——	— 3,89
1752	59 45 42,01	18,840	,7101	,9097	,2751	,5327	3208	— 3,46	——	— 1,49
1753	61 5 58,13	18,840	,7067	,9155	,2751	,5327	3209	— 3,59	——	+ 0,79
1754	55 54 54,52	18,852	,7193	,8917	,2754	,5306	3211	— 3,41	— 3,43	— 1,74
1755	56 28 57,53	18,864	,7177	,8948	,2756	,5285	3217	— 1,76	——	— 4,66

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. s.	s				
1756	Argus	7	4	10 41 13,70	+ 2,385	—9,0577	+8,6104	+0,3775	+8,9795
1757	Antl. Pneum.	7	3	41 22,63	2,838	8,8485	,4004	,4530	8,5070
1758	Argus	9	2	41 28,35	2,299	9,0964	,6476	,3615	9,0331
1759	———	7.8	3	41 30,46	2,321	9,0868	,6380	,3657	9,0201
1760	———	7	3	41 45,73	2,590	8,9639	,5134	,4133	8,8275
1761	Argus	6.7	3	41 50,93	2,323	—9,0877	+8,6368	+0,3660	+9,0212
1762	Antl. Pneum.	7.8	3	42 5,20	2,717	8,9041	,4512	,4341	8,6968
1763	Argus	7	3	42 13,29	2,389	9,0607	,6074	,3782	8,9835
1764	———	7.8	3	42 16,41	2,675	8,9244	,4708	,4273	8,7461
1765	———	7.8	3	42 24,16	2,319	9,0919	,6378	,3653	9,0267
1766	Argus	8.9	3	42 37,33	2,343	—9,0823	+8,6270	+0,3698	+9,0137
1767	———	7.8	3	43 5,31	2,351	9,0810	,6225	,3712	9,0117
1768	———	7.8	3	44 40,00	2,348	9,0899	,6220	,3707	9,0236
1769	———	6.7	3	44 55,96	2,586	8,9776	,5079	,4120	8,8509
1770	———	8.9	3	45 0,83	2,357	9,0874	,6174	,3724	9,0201
1771	Argus	6.7	3	45 16,91	2,425	—9,0576	+8,5859	+0,3847	+8,9783
1772	———	—	—	45	2,475	9,0345	,5619	,3936	8,9441
1773	———	7	6	45 20,74	2,474	9,0347	,5621	,3934	8,9444
1774	———	8.9	3	45 29,39	2,636	8,9542	,4808	,4209	8,8067
1775	———	7.8	3	45 30,02	2,397	9,0716	,5986	,3797	8,9981
1776	Antl. Pneum.	6.7	4	45 35,70	2,774	—8,8856	+8,4114	+0,4431	+8,6406
1777	Argus	7.8	3	45 57,14	2,404	9,0699	,5940	,3809	8,9956
1778	———	6	3	45 58,96	2,430	9,0581	,5818	,3856	8,9788
1779	Antl. Pneum.	7.8	3	46 16,54	2,810	8,8704	,3920	,4487	8,5885
1780	Hydræ.	7.8	3	46 19,23	2,863	8,8472	,3684	,4568	8,4878
1781	Antl. Pneum.	6.7	3	46 33,76	2,767	—8,8914	+8,4112	+0,4420	+8,6567
1782	Argus	7.8	3	46 37,74	2,422	9,0653	,5847	,3842	8,9888
1783	———	7.8	2	46 49,50	2,560	8,9981	,5167	,4082	8,8856
1784	———	—	—	46	2,392	9,0781	,5959	,3791	9,0069
1785	———	—	—	46	2,372	9,0902	,6071	,3751	9,0234
1786	Antl. Pneum	7	3	47 14,69	2,744	—8,9048	+8,4204	+0,4384	+8,6935
1787	Argus	8.9	3	47 52,76	2,317	9,1196	,6309	,3649	9,0623
1788	———	7	3	47 56,22	2,483	9,0414	,5527	,3950	8,9537
1789	———	7	3	47 57,68	2,506	9,0302	,5411	,3990	8,9367
1790	———	6.7	3	48 13,93	2,327	9,1167	,6264	,3668	9,0586
1791	Centauri	7.8	3	48 13,93	2,696	—8,9327	+8,4418	+0,4307	+8,7598
1792	Antl. Pneum.	6.7	4	48 18,23	2,822	8,8692	,3779	,4506	8,5806
1793	Argus	8	2	48 27,39	2,547	9,0115	,5194	,4060	8,9071
1794	———	7.8	3	48 39,64	2,521	9,0257	,5323	,4016	8,9294
1795	———	6.7	3	48 55,06	2,372	9,0999	,6047	,3751	9,0361
1796	Argus	7	3	49 8,55	2,629	—8,9713	+8,4744	+0,4198	+8,8373
1797	———	7	3	49 42,30	2,443	9,0697	,5693	,3879	8,9946
1798	———	7.8	2	49 47,54	2,381	9,0995	,5987	,3768	9,0355
1799	Antl. Pneum.	7.8	3	50 5,40	2,766	8,9012	,3982	,4418	8,6809
1800	Argus	8	3	50 16,47	2,351	9,1164	,6125	,3712	9,0577

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″	*a′*	*b′*	*c′*	*d′*		s.	s.	″
1756	56 37 25,78	—18,874	+9,7160	+9,8958	—1,2759	—9,5267	3220	— 2,94	—	— 1,27
1757	27 4 25,42	18,878	,7316	,6326	,2759	,5260	3221	— 2,36	—	— 1,17
1758	59 46 30,55	18,882	,7058	,9108	,2760	,5253	3224	— 0,86	—	— 2,42
1759	59 1 52,36	18,882	,7076	,9074	,2760	,5253	3225	— 1,34	—	— 0,78
1760	46 54 23,50	18,890	,7324	,8380	,2762	,5238	3227	— 2,55	—	+ 3,15
1761	59 4 28,41	18,892	+9,7067	+9,9079	—1,2763	—9,5235	3229	— 1,82	—	+ 2,77
1762	38 19 32,47	18,903	,7372	,7673	,2765	,5217	3231	—	—	+ 7,03
1763	56 49 41,49	18,903	,7118	,8975	,2765	,5213	3233	— 2,22	—	— 0,03
1764	41 31 24,51	18,905	,7364	,7963	,2766	,5210	3234	— 0,81	—	— 0,54
1765	59 22 44,94	18,907	,7041	,9096	,2766	,5206	3236	— 2,88	—	+ 1,31
1766	58 36 4,06	18,913	+9,7067	+9,9062	—1,2768	—9,5195	3238	— 1,90	—	— 0,04
1767	58 28 37,73	18,926	,7050	,9059	,2771	,5167	3239	— 1,81	—	+ 1,29
1768	59 6 33,52	18,972	,6990	,9099	,2781	,5082	3248	— 2,25	—	+ 0,99
1769	48 18 24,37	18,979	,7235	,8497	,2783	,5067	3249	— 2,80	—	+ 2,15
1770	58 53 43,12	18,981	,6981	,9091	,2783	,5063	3251	— 2,99	—	+ 0,12
1771	56 25 25,69	18,988	+9,7041	+9,8973	—1,2785	—9,5049	3253	— 2,09	—	+ 0,93
1772	54 17	18,992	,7023	,8663	,2786	,5041	3254	—	—	—
1773	54 17 23,62	18,993	,7093	,8863	,2786	,5041	3255	— 1,40	—	+ 1,77
1774	45 22 8,00	18,996	,7259	,8292	,2787	,5034	3256	— 2,90	— 2,51	+ 1,95
1775	57 33 59,58	18,994	,6998	,9032	,2786	,5037	3257	— 4,84	—	— 0,83
1776	34 38 24,77	19,000	+9,7308	+9,7318	—1,2787	—9,5026	3258	— 0,30	—	— 3,07
1777	57 24 10,87	19,007	,6998	,9027	,2789	,5011	3262	— 3,81	—	— 2,92
1778	56 23 28,34	19,009	,7024	,8977	,2790	,5007	3263	— 1,16	—	+ 0,42
1779	31 28 34,12	19,018	,7283	,6953	,2792	,4988	3265	— 2,65	—	— 4,75
1780	25 53 47,12	19,020	,7226	,6178	,2792	,4984	3267	— 2,35	—	— 3,64
1781	35 36 25,83	19,026	+9,7292	+9,7428	—1,2793	—9,4973	3268	— 2,79	—	— 3,04
1782	56 58 21,34	19,027	,6981	,9010	,2794	,4969	3270	— 2,40	—	— 2,91
1783	50 38 56,92	19,031	,7143	,8650	,2795	,4961	3271	— 3,26	—	—10,0,31
1784	58 1	19,035	,6955	,9064	,2795	,4954	3272	—	—	—
1785	59 0	19,038	,6902	,9109	,2796	,4946	3275	—	—	—
1786	37 54 11,76	19,044	+9,7267	+9,7665	—1,2797	—9,4935	3278	— 3,03	—	+ 0,01
1787	61 11 26,21	19,062	,6812	,9210	,2802	,4896	3282	— 2,34	—	+ 6,25
1788	54 46 6,02	19,062	,7007	,8905	,2802	,4896	3281	— 3,92	—	— 5,76
1789	53 42 28,15	19,064	,7041	,8848	,2802	,4892	3283	— 1,37	—	+ 2,94
1790	60 58 28,28	19,069	,6803	,9202	,2803	,4880	3286	— 2,79	—	+ 4,31
1791	42 10 8,33	19,071	+9,7218	+9,8056	—1,2804	—9,4876	3284	— 1,95	—	+ 0,16
1792	30 56 2,31	19,073	,7243	,6899	,2804	,4872	3285	— 3,08	—	+ 3,08
1793	51 48 3,39	19,076	,7067	,8741	,2805	,4865	3287	— 2,90	—	+ 1,58
1794	53 13 36,14	19,082	,7033	,8825	,2806	,4853	3289	— 3,08	—	+ 2,12
1795	59 40 8,54	19,089	,6830	,9151	,2808	,4837	3291	— 2,27	—	— 2,67
1796	47 14 16,68	19,096	+9,7143	+9,8450	—1,2809	—9,4821	3292	— 2,12	—	— 0,51
1797	57 11 53,52	19,110	,6884	,9040	,2813	,4789	3294	— 2,64	—	— 3,17
1798	59 35 58,56	19,112	,6803	,9153	,2813	,4785	3296	— 2,29	—	+ 1,96
1799	36 59 17,98	19,121	,7210	,7592	,2815	,4765	3297	+ 2,74	—	+ 5,05
1800	60 51 18,04	19,124	,6739	,9210	,2816	,4757	3299	+ 2,67	—	+ 2,38

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s.				
1801	Centauri.	7.8	3	10 50 28,96	+2,671	—8,9546	+8,4489	+0,4267	+8,8045
1802	———	7.8	3	50 41,24	2,720	8,9274	,4209	,4346	8,7463
1803	Antl. Pneum.	7.8	3	51 11,79	2,767	8,9039	,3933	,4420	8,6870
1804	Argus	7	3	51 18,59	2,416	9,0911	,5800	,3831	9,0237
1805	———	7.8	3	51 20,46	2,507	9,0451	,5340	,3991	8,9582
1806	Antl. Pneum.	8	2	51 34,10	2,803	—8,8860	+8,3732	+0,4476	+8,6341
1807	Argus	7.8	3	51 57,05	2,464	9,0704	,5549	,3916	8,9948
1808	———	6.7	3	52 13,49	2,558	9,0224	,5051	,4079	8,9232
1809	Antl. Pneum.	7	3	52 17,11	2,803	8,8878	,3700	,4476	8,6389
1810	Argus	8	3	52 32,18	2,441	9,0847	,5655	,3876	9,0147
1811	Centauri.	6.7	3	52 44,07	2,709	—8,9407	+8,4202	+0,4328	+8,7744
1812	Argus	7	3	52 49,14	2,387	9,1125	,5915	,3778	9,0521
1813	———	7.8	3	52 53,32	2,560	9,0241	,5022	,4082	8,9256
1814	———	—	—	52	2,563	9,0228	,5009	,4087	8,9235
1815	———	7	3	53 11,10	2,595	9,0062	,4825	,4141	8,8966
1816	Argus	7.8	2	53 17,01	2,359	—9,1287	+8,6045	+0,3727	+9,0733
1817	Antl. Pneum.	7	4	53 31,78	2,752	8,9190	,3929	,4396	8,7239
1818	Argus	7.8	2	53 35,22	2,596	9,0077	,4812	,4143	8,8989
1819	———	7	3	53 42,11	2,576	9,0190	,4915	,4109	8,9172
1820	———	8.9	3	53 47,19	2,456	9,0832	,5557	,3902	9,0123
1821	Argus	7.8	3	53 51,97	2,596	—9,0092	+8,4803	+0,4143	+8,9012
1822	———	8	3	54 34,45	2,513	9,0576	,5240	,4002	8,9760
1823	Centauri.	8	3	54 51,57	2,736	8,9329	,3970	,4371	8,7556
1824	Argus	7	3	55 5,45	2,417	9,1102	,5729	,3833	9,0487
1825	Hydræ.	7	3	55 34,59	2,882	8,8555	,3145	,4597	8,5078
1826	Antl. Pneum.	7.8	3	55 39,54	2,845	—8,8742	+8,3327	+0,4541	+8,5877
1827	Argus	9	3	55 50,47	2,550	9,0440	,5015	,4065	8,9553
1828	Antl. Pneum.	7	3	56 17,80	2,834	8,8815	,3357	,4524	8,6131
1829	Argus	7.8	3	56 31,30	2,435	9,1078	,5620	,3865	9,0453
1830	———	7	3	56 32,99	2,434	9,1095	,5622	,3863	9,0474
1831	Argus	—	—	56	2,410	—9,1215	+8,5742	+0,3820	+9,0634
1832	———	7.8	2	56 42,74	2,627	9,0039	,4551	,4195	8,8914
1833	Antl. Pneum.	7.8	3	56 46,22	2,805	8,8986	,3494	,4479	8,6666
1834	Argus	8	3	56 46,97	2,632	9,0010	,4518	,4203	8,8865
1835	Centauri.	7	3	57 2,24	2,743	8,9352	,3855	,4382	8,7594
1836	Argus	7	3	57 6,40	2,582	—9,0317	+8,4800	+0,4120	+8,9361
1837	———	7.8	1	57 11,92	2,492	9,0824	,5303	,3965	9,0106
1838	———	6	3	57 15,40	2,511	9,0728	,5201	,3998	8,9969
1839	Centauri.	6	3	57 20,75	2,684	8,9725	,4194	,4288	8,8356
1840	x Antl. Pneum.	6	3	57 21,83	2,817	8,8940	,3404	,4498	8,6523
1841	Argus	7.8	3	57 29,69	2,604	—9,0210	+8,4669	+0,4156	+8,9192
1842	Antl. Pneum.	7	2	57 32,64	2,864	8,8684	,3134	,4570	8,5621
1843	Centauri.	7	3	58 28,44	2,771	8,9308	,3689	,4411	8,7483
1844	———	7	3	58 31,92	2,695	8,9712	,4088	,4306	8,8325
1845	Hydræ.	7	2	58 56,55	2,883	8,8619	,2964	,4598	8,5319

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a′	b′	c′	d′		M.C.	T.	
	° ′ ″	″						s.	s.	
1801	45 1 20,90	—19,131	+9,7135	+9,8297	—1,2817	—9,4741	3300	— 2,20	—	— 4,41
1802	41 11 2,36	19,134	,7177	,7987	,2818	,4733	3302	—	— 2,90	+ 8,51
1803	37 20 49,27	19,150	,7193	,7634	,2822	,4696	3305	— 1,79	—	+ 0,91
1804	58 52 35,56	19,152	,6776	,9829	,2822	,4692	3307	— 3,20	—	+ 2,85
1805	54 55 45,03	19,152	,6902	,8934	,2822	,4692	3308	— 2,50	—	— 3,38
1806	34 1 10,47	19,158	+9,7202	+9,7286	—1,2824	—9,4676	3309	— 1,66	—	+ 2,94
1807	57 8 9,35	19,169	,6812	,9051	,2826	,4651	3316	— 2,80	—	— 0,58
1808	52 40 59,21	19,176	,6937	,8815	,2827	,4634	3317	— 1,94	—	+ 4,27
1809	34 17 10,31	19,177	,7168	,7320	,2828	,4630	3318	— 1,23	—	+ 2,27
1810	58 18 42,88	19,182	,6758	,9110	,2829	,4618	3319	— 2,66	—	— 2,69
1811	42 56 58,69	19,187	+9,7110	+9,8147	—1,2830	—9,4605	3321	— 3,19	— 2,96	+ 4,77
1812	60 27 51,69	19,189	,6674	,9207	,2830	,4601	3324	— 2,25	—	+ 1,20
1813	52 49 51,95	19,192	,6920	,8827	,2831	,4593	3325	— 2,17	—	+ 1,89
1814	52 41	19,192	,6920	,8819	,2831	,4593	3326	—	—	—
1815	50 57 37,01	19,199	,6955	,8718	,2833	,4576	3329	— 2,51	—	+ 3,75
1816	61 37 34,65	19,201	+9,6609	+9,9259	—1,2833	—9,4572	3330	— 2,90	—	+ 3,72
1817	39 38 27,23	19,207	,7126	,7864	,2835	,4555	3331	— 2,72	— 3,43	— 1,97
1818	51 5 20,39	19,209	,6937	,8728	,2835	,4550	3333	— 2,80	—	+ 3,02
1819	52 15 16,43	19,212	,6911	,8799	,2836	,4542	3334	— 2,08	—	+ 1,62
1820	58 7 29,32	19,212	,6730	,9108	,2836	,4542	3335	— 4,67	—	— 3,27
1821	51 12 59,84	19,217	+9,6928	+9,8738	—1,2837	—9,4529	3336	— 1,86	—	+ 4,47
1822	55 54 29,61	19,234	,6776	,9003	,2841	,4486	3341	— 2,41	—	— 0,54
1823	41 38 16,79	19,242	,7076	,8050	,2842	,4465	3343	— 0,82	—	+ 5,68
1824	60 11 25,97	19,247	,6599	,9209	,2844	,4451	3345	— 1,62	—	+ 3,41
1825	26 39 26,03	19,260	,7093	,6350	,2846	,4417	3348	— 2,46	—	— 2,28
1826	31 5 57,80	19,262	+9,7110	+9,6963	—1,2847	—9,4412	3350	— 2,02	—	— 0,04
1827	54 35 9,74	19,265	,6776	,8942	,2848	,4403	3352	— 1,35	—	— 2,99
1828	32 34 54,44	19,276	,7093	,7147	,2850	,4372	3354	— 2,32	—	— 0,64
1829	59 57 55,01	19,276	,6571	,9205	,2850	,4372	3356	—13,63	—	— 3,90
1830	60 3 3,30	19,281	,6551	,9212	,2851	,4359	3359	— 2,29	—	+ 0,09
1831	60 58	19,281	+9,6522	+9,9250	—1,2851	—9,4359	3357	—	—	—
1832	50 29 34,50	19,285	,6866	,8708	,2852	,4346	3361	— 2,19	— 3,25	+ 0,95
1833	35 51 40,20	19,287	,7084	,7513	,2853	,4341	3362	— 1,80	—	+ 0,76
1834	50 10 11,25	19,287	,6875	,8689	,2853	,4341	3363	— 1,87	—	— 2,06
1835	41 48 55,89	19,289	,7024	,8076	,2853	,4337	3365	—13,35	—	+ 7,50
1836	53 20 8,19	19,295	+9,6776	+9,8879	—1,2854	—9,4319	3368	— 2,09	— 3,19	+ 0,99
1837	57 54 14,31	19,297	,6618	,9117	,2855	,4314	3369	— 3,60	—	+14,10
1838	59 5 38,35	19,298	,6656	,9077	,2855	,4310	3370	— 2,34	—	— 2,42
1839	46 49 6,00	19,300	,6937	,8467	,2855	,4305	3371	— 4,05	—	+ 2,97
1840	34 56 38,67	19,301	,7076	,7419	,2856	,4301	3372	— 2,55	— 3,42	— 4,10
1841	52 14 50,28	19,303	+9,6803	+9,8819	—1,2856	—9,4296	3373	— 6,29	—	+ 3,64
1842	29 34 26,29	19,306	,7076	,6774	,2857	,4287	3374	— 2,72	— 3,71	+ 0,54
1843	41 2 40,60	19,328	,6990	,8018	,2862	,4223	3386	— 2,01	—	+ 6,98
1844	46 34 42,59	19,329	,6902	,8456	,2862	,4219	3387	— 3,56	—	+ 4,90
1845	27 51 42,48	19,338	,7050	,6544	,2864	,4190	3389	— 3,02	— 4,18	+ 0,14

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s.				
1846	Antl. Pneum.	7	3	10 59 12,00	+2,869	—8,8698	+8,3024	+0,4577	+8,5650
1847	Centauri	7	3	59 21,11	2,651	9,0016	,4336	,4234	8,8866
1848	Argus	8	3	59 27,84	2,616	9,0236	,4542	,4176	8,9226
1849	———	9.10	3	59 39,50	2,622	9,0205	,4501	,4186	8,9178
1850	———	7	3	59 43,11	2,517	9,0826	,5116	,4009	9,0102
1851	Argus	—	—	59	2,617	—9,0236	+8,4532	+0,4176	+8,9227
1852	Z¹ ———	6	3	11 0 1,76	2,430	9,1314	,5585	,3856	9,0757
1853	Antl. Pneum.	—	—	0	2,875	8,8687	,2927	,4586	8,5588
1854	Centauri	7	3	0 20,92	2,690	8,9819	,4059	,4297	8,8516
1855	Antl. Pneum.	7	3	0 33,41	2,878	8,8680	,2904	,4591	8,5565
1856	Hydrae	7	2	0 57,24	2,881	—8,8672	+8,2866	+0,4595	+8,5517
1857	Argus	7	3	1 8,34	2,641	9,0160	,4343	,4226	8,9097
1858	Z² ———	6	2	1 46,85	2,529	9,0872	,5004	,4029	9,0163
1859	———	7.8	3	1 48,48	2,568	9,0649	,4776	,4096	8,9847
1860	x ———	6.7	3	1 55,99	2,462	9,1259	,5380	,3913	9,0682
1861	Argus	8	3	2 9,87	2,475	—9,1206	+8,5306	+0,3936	+9,0612
1862	Hydræ	6	3	2 16,16	2,884	8,8680	,2770	,4600	8,5629
1863	Argus	7	3	2 39,27	2,616	9,0398	,4462	,4176	8,9471
1864	Antl. Pneum.	7	3	2 46,19	2,835	8,8983	,3036	,4525	8,6595
1865	Argus	8	3	2 50,76	2,542	9,0861	,4909	,4052	9,0145
1866	Centauri	7	3	3 24,70	2,696	—8,9921	+8,3921	+0,4307	+8,8686
1867	Antl. Pneum.	7.8	3	3 26,15	2,837	8,8993	,2993	,4529	8,6620
1868	Argus	8	3	3 54,90	2,519	9,1060	,5023	,4012	9,0416
1869	———	7	3	4 1,75	2,560	9,0820	,4777	,4082	9,0086
1870	Hydræ	6.7	3	4 10,42	2,910	8,8570	,2543	,4639	8,4983
1871	Centauri	8	3	4 10,85	2,695	—8,9970	+8,3905	+0,4306	+8,8769
1872	Argus	8	3	4 16,09	2,631	9,0389	,4319	,4201	8,9453
1873	Antl. Pneum.	7	3	4 33,18	2,872	8,8809	,2717	,4582	8,6002
1874	Argus	—	—	4	2,520	9,1058	,5015	,4014	9,0413
1875	Hydræ	7	3	4 34,66	2,892	8,8691	,2594	,4612	8,5537
1876	Centauri	6.7	3	4 48,76	2,746	—8,9651	+8,3537	+0,4387	+8,8178
1877	Argus	7	3	5 9,10	2,571	9,0822	,4681	,4101	9,0066
1878	———	—	—	5	2,530	9,1070	,4929	,4031	9,0427
1879	Centauri	6	3	5 16,86	2,715	8,9882	,3730	,4338	8,8611
1880	Hydræ	7	3	5 24,18	2,917	8,8565	,2402	,4649	8,4923
1881	Centauri	6.7	3	5 39,13	2,710	—8,9939	+8,3753	+0,4330	+8,8710
1882	Hydrae	—	—	5	2,895	8,8696	,2505	,4616	8,5543
1883	Argus	—	—	5	2,516	9,1191	,5006	,4007	9,0587
1884	———	6	2	5 45,27	2,539	9,1058	,4867	,4047	9,0410
1885	Centauri	7	4	6 1,59	2,707	8,9974	,3706	,4325	8,8770
1886	Argus	7	3	6 29,30	2,668	—9,0264	+8,4012	+0,4262	+8,9252
1887	Centauri	7.8	3	6 34,61	2,689	9,0128	,3864	,4296	8,9039
1888	Argus	6.7	2	6 36,90	2,561	9,0975	,4712	,4084	9,0296
1889	———	7	3	6 39,60	2,671	9,0229	,3960	,4265	8,9196
1890	Centauri	7	3	6 45,49	2,731	8,9845	,3570	,4363	8,8539

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
1846	29 41 21,39	—19,345	+9,7050	+9,6799	—1,2866	—9,4172	3391	— 2,56	—	— 6,47
1847	50 5 40,90	19,346	,6794	,8697	,2866	,4167	3393	— 2,89	—	— 5,21
1848	52 24 26,98	19,350	,6730	,8838	,2867	,4153	3394	— 0,44	—	+ 3,16
1849	52 5 11,73	19,354	,6730	,8821	,2868	,4144	3398	— 1,70	—	— 4,03
1850	57 48 38,12	19,355	,6542	,9125	,2868	,4139	3399	— 3,63	—	+ 3,08
1851	52 24	19,354	+9,6730	+9,8839	—1,2868	—9,4144	3397	—	—	—
1852	61 33 35,51	19,361	,6375	,9292	,2869	,4120	3402	— 3,04	— 5,81	— 0,02
1853	29 18	19,370	,7024	,6753	,2871	,4092	3405	—	—	—
1854	47 46 31,87	19,370	,6830	,8549	,2871	,4092	3407	— 2,42	— 4,41	+ 4,05
1855	29 6 21,01	19,374	,7016	,6727	,2872	,4078	3408	— 2,49	—	+ 4,07
1856	28 52 48,12	19,383	+9,7016	+9,6699	—1,2874	—9,4049	3410	— 2,68	— 3,14	+ 7,95
1857	51 31 29,49	19,387	,6703	,8795	,2875	,4039	3412	— 3,40	—	+ 9,16
1858	58 6 31,28	19,401	,6454	,9150	,2878	,3991	3416	— 2,21	— 3,18	+ 2,41
1859	56 11 59,36	19,403	,6522	,9057	,2879	,3986	3417	— 1,69	—	— 0,17
1860	61 4 51,46	19,404	,6324	,9283	,2879	,3981	3419	— 2,47	— 3,29	+ 1,96
1861	60 41 35,91	19,410	+9,6325	+9,9267	—1,2880	—9,3961	3423	— 0,29	—	— 0,89
1862	28 55 36,21	19,413	,6990	,6711	,2881	,3952	3421	— 2,70	—	+ 7,81
1863	53 50 49,29	19,420	,6580	,8936	,2882	,3927	3427	— 2,41	—	+ 5,72
1864	35 13 46,00	19,423	,6955	,7477	,2883	,3917	3428	— 4,32	—	—
1865	57 58 13,37	19,425	,6415	,9148	,2883	,3912	3429	— 2,06	—	+ 0,76
1866	48 47 4,65	19,437	+9,6712	+9,8633	—1,2886	—9,3867	3433	— 2,59	—	+ 5,65
1867	35 21 28,84	19,437	,6946	,7494	,2886	,3867	3432	— 2,45	—	— 5,64
1868	59 31 0,55	19,447	,6314	,9225	,2889	,3832	3437	— 2,04	—	— 3,86
1869	55 34 58,25	19,449	,6395	,9136	,2889	,3827	3439	— 3,54	—	+13,44
1870	25 56 18,72	19,444	,6955	,6282	,2888	,3842	3435	—29,92	—	+ 6,57
1871	49 18 3,25	19,454	+9,6674	+9,8670	—1,2890	—9,3806	3440	— 0,99	—	+11,82
1872	53 41 17,02	19,455	,6532	,8934	,2890	,3801	3441	— 1,94	—	+ 5,18
1873	31 33 54,97	19,461	,6946	,7066	,2892	,3781	3443	— 3,05	— 4,19	+ 0,27
1874	59 30	19,449	,6314	,9224	,2889	,3827	3438	—	—	—
1875	28 54 45,62	19,463	,6946	,6719	,2892	,3775	3444	— 1,95	—	+ 4,25
1876	45 23 54,93	19,467	+9,6758	+9,8401	—1,2893	—9,3760	3445	— 0,31	— 3,94	+ 0,75
1877	57 33 14,09	19,474	,6355	,9140	,2894	,3734	3450	— 2,42	—	+ 5,88
1878	59 33	19,474	,6263	,9232	,2894	,3734	3451	—	—	—
1879	48 13 55,84	19,476	,6674	,8605	,2895	,3724	3452	— 2,86	— 2,41	+ 6,16
1880	25 35 47,83	19,479	,6928	,6235	,2896	,3713	3454	— 1,23	—	+ 2,43
1881	48 51 56,95	19,485	+9,6637	+9,8649	—1,2897	—9,3692	3457	— 1,41	—	— 1,86
1882	29 54	19,486	,6928	,6725	,2897	,3687	3458	—	—	—
1883	60 27	19,485	,6212	,9274	,2897	,3692	3460	—	—	—
1884	59 26 52,12	19,486	,6243	,9230	,2897	,3687	3462	— 1,84	—	— 0,17
1885	49 15 8,34	19,491	,6618	,8676	,2898	,3666	3466	— 2,42	—	+ 5,28
1886	52 21 46,86	19,501	+9,6513	+9,8869	—1,2900	—9,3629	3470	— 2,33	— 3,46	+ 2,70
1887	50 55 54,36	19,503	,6551	,8784	,2901	,3618	3472	— 0,46	—	— 5,86
1888	58 44 52,49	19,503	,6253	,9203	,2901	,3618	3473	— 1,04	— 3,24	+ 3,81
1889	51 58 58,03	19,505	,6515	,8848	,2901	,3613	3474	—	—	+ 2,40
1890	47 43 46,52	19,506	,6646	,8576	,2902	,3607	3476	— 2,83	—	+ 4,43

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
1891	Antl. Pneum.	7	3	11 7 21.75	+ 2,875	—8,8863	+8,2537	+0,4586	+8,6163
1892	Centauri	7.8	5	7 56,41	2,814	8,9298	,2925	,4493	8,7398
1893	———	—	—	7	2,815	8,9293	,2915	,4495	8,7386
1894	———	7.8	3	8 2,56	2,801	8,9401	,3017	,4473	8,7636
1895	Argus	8	2	8 6,43	2,601	9,0816	,4420	,4151	9,0072
1896	Argus	8	3	8 16,40	2,604	—9,0804	+8,4398	+0,4091	+9,0056
1897	Centauri	6.7	6	8 34,29	2,818	8,9299	,2868	,4499	8,7396
1898	Antl. Pneum.	7	3	8 39,05	2,870	8,8935	,2493	,4579	8,6390
1899	Argus	7.8	3	8 40,34	2,621	9,0713	,4271	,4155	8,9926
1900	———	7.8	4	8 42,28	2,610	9,0787	,4345	,4166	9,0030
1901	Hydræ	7.8	3	8 44,48	2,916	—8,8643	+8,2189	+0,4648	+8,5255
1902	Argus	7.8	2	8 50,41	2,657	9,0477	,4018	,4244	8,9577
1903	———	8	2	8 58,12	2,662	9,0449	,3984	,4252	8,9534
1904	Centauri	6.7	2	9 2,65	2,774	8,9639	,3168	,4431	8,8137
1905	Antl. Pneum.	7	3	9 16,04	2,843	8,9141	,2646	,4538	8,6990
1906	Antl. Pneum.	8.9	—	9	2,849	—8,9110	+8,2592	+0,4547	+8,6905
1907	Argus	7	3	9 47,87	2,671	9,0436	,3893	,4267	8,9512
1908	Antl. Pneum.	7	3	9 54,46	2,883	8,8884	,2335	,4598	8,6208
1909	——— ———	7.8	3	9 57,30	2,874	8,8943	,2388	,4585	8,6404
1910	Argus	—	—	10	2,574	9,1136	,4557	,4106	9,0508
1911	Argus	7	2	10 16,59	2,593	—9,1008	+8,4425	+0,4138	+9,0335
1912	———	7.8	3	10 47,86	2,609	9,0942	,4297	,4165	9,0244
1913	———	7.8	3	10 53,30	2,609	9,0947	,4295	,4165	9,0250
1914	Centauri	7	3	10 56,59	2,755	8,9880	,3229	,4401	8,8588
1915	Antl. Pneum.	7	3	11 33,91	2,837	8,9277	,2577	,4529	8,7326
1916	Hydræ	7	3	11 37,08	2,922	—8,8668	+8,1962	+0,4657	+8,5332
1917	Argus	7.8	4	11 39,42	2,633	9,0820	,4114	,4204	9,0073
1918	———	—	—	11	2,635	9,0817	,4098	,4208	9,0068
1919	Hydræ	6.7	2	11 58,45	2,925	8,8658	,1920	,4661	8,5278
1920	———	6.7	3	12 31,59	2,925	8,8667	,1872	,4661	8,5308
1921	Antl. Pneum	7.8	3	12 44,83	2,903	—8,8828	+8,2015	+0,4628	+8,5977
1922	Argus	8	6	12 48,46	2,644	9,0821	,4008	,4223	9,0072
1923	———	7.8	3	12 56,43	2,628	9,0946	,4116	,4196	9,0246
1924	Centauri	7	3	12 58,74	2,798	8,9644	,2812	,4468	8,8130
1925	Antl. Pneum.	7.8	3	13 26,06	2,882	8,8999	,2116	,4597	8,6551
1926	Centauri	8	3	13 35,44	2,800	—8,9658	+8,2768	+0,4472	+8,8155
1927	Argus	7	3	14 34,48	2,607	9,1215	,4228	,4161	9,0607
1928	Centauri	6.7	3	14 50,08	2,818	8,9571	,2558	,4499	8,7973
1929	———	6	1	15 5,19	2,658	9,0879	,3840	,4245	9,0150
1930	———	7.8	4	15 5,70	2,661	9,0858	,3818	,4250	9,0119
1931	Centauri	7.8	2	15 37,41	2,667	—9,0852	+8,3758	+0,4260	+9,0110
1932	———	6.7	2	15 53,43	2,692	9,0676	,3555	,4301	8,9858
1933	Hydræ	7.8	3	16 0,78	2,944	8,8627	,1493	,4689	8,5063
1934	Centauri	9.10	2	16 6,98	2,664	9,0910	,3762	,4255	9,0191
1935	———	7.8	4	16 26,99	2,675	9,0849	,3674	,4273	9,0105

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
1891	32 26 54,47	−19,518	+9,6884	+9,7185	−1,2904	−9,3559	3479	− 2,87	—	− 0,86
1892	40 11 12,71	19,529	,6776	,7988	,2907	,3515	3481	− 3,75	—	− 7,22
1893	40 6	19,530	,6785	,7980	,2907	,3510	3482	—	—	—
1894	41 44 43,15	19,531	,6749	,8123	,2907	,3504	3483	− 3,68	—	− 1,43
1895	57 23 16,16	19,534	,6253	,9145	,2908	,3493	3485	+ 0,03	—	− 2,29
1896	57 18 35,92	19,537	+9,6170	+9,9141	−1,2908	−9,3482	3487	− 2,03	—	−1,40,21
1897	40 9 0,11	19,542	,6767	,7988	,2910	,3460	3489	− 2,76	− 2,95	− 4,74
1898	33 47 42,30	19,544	,6848	,7346	,2910	,3449	3490	− 3,05	—	+ 1,95
1899	56 29 0,83	19,543	,6232	,9103	,2910	,3449	3493	− 2,96	—	+ 1,00
1900	57 7 9,31	19,544	,6243	,9134	,2910	,3449	3495	− 2,16	—	− 3,58
1901	27 15 29,98	19,547	+9,6875	+9,6504	−1,2911	−9,3438	3496	+ 0,36	—	+ 4,05
1902	54 20 12,73	19,549	,6355	,8991	,2911	,3432	3499	− 0,97	—	+ 1,46
1903	54 4 43,15	19,549	,6355	,8977	,2911	,3427	3500	− 3,41	—	+ 5,96
1904	45 0 40,52	19,551	,6646	,8390	,2912	,3421	3501	− 2,54	− 3,39	− 0,95
1905	37 31 37,65	19,556	,6785	,7743	,2913	,3399	3502	− 2,45	—	− 1,17
1906	36 58	19,561	+9,6794	+9,7689	−1,2914	−9,3376	3505	—	—	—
1907	53 54 1,57	19,566	,6345	,8972	,2915	,3353	3507	− 2,74	—	+ 2,38
1908	32 39 29,63	19,567	,6830	,7225	,2915	,3348	3509	− 3,47	—	− 4,97
1909	33 51 47,10	19,569	,6812	,7357	,2916	,3342	3510	− 1,87	—	+ 6,48
1910	59 53	19,574	,6064	,9269	,2917	,3319	3512	—	—	—
1911	58 53 45,35	19,575	+9,6107	+9,9225	−1,2917	−9,3315	3513	− 0,55	—	+ 3,56
1912	58 20 1,47	19,587	,6107	,9202	,2920	,3255	3518	+ 7,64	—	+ 5,03
1913	58 21 43,94	19,592	,6107	,9204	,2921	,3249	3519	+ 6,70	—	+12,27
1914	47 54 45,81	19,587	,6513	,8608	,2920	,3249	3517	− 2,34	—	+ 6,07
1915	39 37 35,35	19,598	,6693	,7952	,2922	,3202	3521	− 2,84	+ 4,51	− 1,71
1916	27 36 0,31	19,599	+9,6812	+9,6567	−1,2922	−9,3197	3523	− 1,96	—	− 2,55
1917	57 18 44,94	19,599	,6128	,9155	,2922	,3197	3524	− 3,05	—	− 2,55
1918	57 16	19,602	,6117	,9154	,2923	,3185	3526	—	—	—
1919	27 18 46,36	19,606	,6821	,6524	,2924	,3167	3527	− 2,75	—	− 1,21
1920	27 27 27,49	19,616	,6803	,6549	,2926	,3113	3529	− 0,90	—	− 2,18
1921	31 13 38,06	19,620	+9,6785	+9,7058	−1,2927	−9,3095	3531	− 2,17	—	0,00
1922	57 16 47,07	19,620	,6075	,9158	,2927	,3095	3532	− 3,32	—	− 4,88
1923	58 18 43,94	19,622	,6031	,9208	,2927	,3076	3535	− 2,85	—	+ 5,28
1924	44 51 11,59	19,623	,6532	,8394	,2928	,3076	3533	− 3,06	—	− 7,47
1925	34 39 0,29	19,633	,6730	,7462	,2930	,3027	3539	− 1,51	—	+ 4,85
1926	45 0 39,75	19,634	+9,6522	+9,8408	−1,2930	−9,3021	3540	− 3,57	—	− 1,97
1927	60 21 8,16	19,651	,5855	,9307	,2934	,2928	3549	− 4,31	—	− 0,81
1928	43 45 59,67	19,656	,6513	,8318	,2935	,2902	3550	− 3,28	− 3,76	+ 2,74
1929	57 41	19,660	,5978	,9187	,2936	,2877	3552	—	− 1,78	—
1930	57 30 23,50	19,660	,5988	,9179	,2936	,2877	3553	− 2,14	—	0,00
1931	57 26 18,73	19,669	+9,5966	+9,9177	−1,2938	−9,2825	3555	− 2,22	—	− 2,41
1932	55 54 9,31	19,674	,6031	,9102	,2939	,2799	3557	− 2,39	—	− 1,91
1933	26 4 53,65	19,676	,6749	,6357	,2939	,2786	3558	− 1,61	—	− 0,84
1934	57 54 33,85	19,678	,5911	,9202	,2940	,2773	3559	− 2,06	—	+ 9,21
1935	57 23 17,87	19,683	,5944	,9178	,2941	,2747	3561	− 2,88	—	− 0,34

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
1936	Centauri	7	3	11 16 43,89	+ 2,845	—8,9439	+8,2230	+0,4541	+8,7678
1937	Hydræ	7.8	3	16 44,43	2,903	8,8948	,1739	,4628	8,6359
1938	Centauri	8	3	17 52,37	2,845	8,9439	,2217	,4541	8,7679
1939	——	8.9	3	17 12,54	2,683	9,0842	,3584	,4286	9,0094
1940	Hydræ	7	3	17 49,27	2,885	8,9137	,1816	,4601	8,6921
1941	Centauri	7.8	2	18 6,83	2,826	—8,9674	+8,2326	+0,4512	+8,8172
1942	——	—	—	18	2,679	9,0988	,3575	,4280	9,0296
1943	——	8.9	6	18 48,58	2,679	9,0988	,3568	,4280	9,0296
1944	——	9.10	3	18 59,01	2,703	9,0817	,3368	,4318	9,0056
1945	——	6.7	3	19 21,44	2,764	9,0308	,2823	,4415	8,9292
1946	Centauri	6.7	6	19 25,84	2,658	—9,1217	+8,3724	+0,4245	+9,0604
1947	Hydræ	7	2	19 43,29	2,960	8,8600	,1078	,4713	8,4862
1948	Centauri	7.8	3	19 49,75	2,657	9,1251	,3712	,4244	9,0649
1949	——	—	—	19	2,663	9,1219	,3667	,4254	9,0605
1950	Hydræ	7.8	3	20 22,04	2,900	8,9108	,1511	,4624	8,6824
1951	Centauri	8	3	20 25,85	2,678	—9,1139	+8,3528	+0,4278	+9,0499
1952	——	7	3	20 33,88	2,706	9,0913	,3294	,4323	9,0189
1953	——	7.8	3	20 45,90	2,786	9,0206	,2572	,4450	8,9123
1954	——	7.8	2	20 47,89	2,842	8,9674	,2023	,4536	8,8163
1955	——	7	1	20 53,80	2,866	8,9453	,1796	,4573	8,7692
1956	Centauri	7	3	21 12,53	2,759	—9,0488	+8,2794	+0,4407	+8,9570
1957	——	7.8	3	21 15,06	2,719	9,0849	,3155	,4344	9,0099
1958	——	9.10	3	21 26,09	2,717	9,0879	,3177	,4341	9,0141
1959	Hydræ	6.7	2	21 42,98	2,955	8,8687	,0931	,4706	8,5285
1960	Centauri	7	3	21 45,07	2,715	9,0929	,3172	,4338	9,0210
1961	Antl. Pneum	6.7	3	21 55,41	2,899	—8,9191	+8,1411	+0,4622	+8,7045
1962	Centauri	7.8	3	21 59,79	2,730	9,0816	,3029	,4362	9,0052
1963	——	7.8	3	22 20,18	2,859	8,9599	,1773	,4562	8,8004
1964	——	7.8	3	22 22,09	2,801	9,0175	,2349	,4473	8,9069
1965	——	8	3	22 32,68	2,766	9,0531	,2681	,4418	8,9633
1966	Centauri	7.8	3	23 12,39	2,883	—8,9410	+8,1480	+0,4598	+8,7585
1967	——	7.8	3	23 24,65	2,730	9,0938	,2984	,4362	9,0221
1968	——	7.8	2	23 28,99	2 865	8,9624	,1637	,4289	8,8051
1969	——	7.8	2	23 42,79	2,867	8,9600	,1605	,4574	8,8001
1970	——	7.8	2	23 53,58	2,867	8,9608	,1596	,4574	8,8016
1971	Centauri	7	5	23 57,80	2,701	—9,1253	+8,3234	+0,4315	+9,0647
1972	——	—	—	23	2,703	9,1275	,3206	,4318	9,0675
1973	——	6	5	24 23,86	2,732	9,1017	,2939	,4365	9,0328
1974	Hydræ	7	3	24 27,39	2,969	8,8647	,0562	,4726	8,5050
1975	Centauri	8	3	24 28,44	2,717	9,1165	,3079	,4341	9,0529
1976	Centauri	—	—	25	2,736	—9,1044	+8,2874	+0,4371	+9,0364
1977	——	—	—	25	2,736	9,1054	,2885	,4370	9,0379
1978	——	7.8	3	25 33,95	2,799	9,0443	,2222	,4470	8,9493
1979	——	8.9	3	26 12,06	2,770	9,0806	,2499	,4425	9,0031
1980	——	7.8	3	26 43,53	2,750	9,1054	,2685	,4393	9,0377

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
			a′	b′	c′	d′				
	° ′ ″	″						s.	s.	″
1936	41 47 26,59	—19,689	+9,6513	+9,8162	—1,2942	—9,2714	3564	— 8,84	——	+ 0,40
1937	33 24 24,29	19,689	,6674	,7334	,2942	,2714	3563	— 2,67	——	— 2,60
1938	41 47 35,41	19,690	,6503	,8163	,2942	,2701	3569	—59,75	——	+ 1,44
1939	57 18 11,38	19,695	,5899	,9177	,2944	,2667	3570	— 2,60	——	— 1,35
1940	36 52 5,40	19,706	,6590	,7711	,2946	,2606	3573	— 2,40	— 2,95	— 1,83
1941	45 0 6,48	19,710	+9,6385	+9,8425	—1,2947	—9,2579	3576	— 2,87	— 0,10	— 5,13
1942	58	19,719	,5786	,9237	,2949	,2517	3577	——	——	——
1943	58 28 21,70	19,720	,5786	,9238	,2949	,2510	3578	— 2,58	——	+ 5,69
1944	57 2 46,02	19,725	,5855	,9170	,2950	,2482	3580	— 1,36	——	— 4,22
1945	52 16 52,67	19,730	,6064	,8916	,2951	,2447	3582	— 2,50	— 2,76	+ 1,12
1946	60 14 9,71	19,731	+9,5647	+9,9319	—1,2951	—9,2439	3584	— 2,86	——	+ 1,86
1947	24 58 59,63	19,735	,6702	,6195	,2952	,2411	3585	— 2,29	— 3,48	— 3,52
1948	60 29 23,62	19,736	,5623	,9331	,2952	,2404	3586	— 2,42	——	— 3,56
1949	60 14 9,64	19,739	,5623	,9321	,2953	,2382	3587	——	——	+ 0,46
1950	36 12 19,63	19,745	,6542	,7652	,2954	,2339	3588	— 2,14	——	— 8,75
1951	59 36 59,08	19,747	+9,5635	+9,9296	—1,2955	—9,2324	3590	— 3,05	——	— 5,62
1952	57 47 49,34	19,748	,5740	,9212	,2955	,2317	3591	— 1,46	——	+ 5,40
1953	51 10 14,40	19,750	,6064	,8854	,2956	,2302	3592	— 5,74	——	+ 3,45
1954	44 53 42,19	19,751	,6304	,8425	,2956	,2295	3593	— 2,17	——	+ 0,66
1955	41 47 36,19	19,752	,6395	,8177	,2956	,2280	3595	— 2,03	— 2,44	+ 1,29
1956	54 0 4,81	19,757	+9,5922	+9,9019	—1,2957	—9,2243	3596	— 2,11	——	+ 1,45
1957	57 15 41,62	19,757	,5752	,9188	,2957	,2243	3597	— 1,97	——	— 4,25
1958	57 30 45,60	19,758	,5729	,9200	,2957	,2236	3598	— 8,96	——	— 7,11
1959	27 8 56,28	19,765	,6637	,6537	,2959	,2184	3600	— 1,77	——	+ 1,99
1960	57 54 36,06	19,765	,5682	,9221	,2959	,2184	3601	— 3,46	——	+ 5,22
1961	37 34 30,32	19,768	+9,6474	+9,7795	—1,2960	—9,2161	3603	— 2,65	— 3,42	— 1,71
196	56 57 4,15	19,768	,5729	,9175	,2960	,2153	3605	— 2,50	——	+ 1,59
1963	43 48 31,94	19,774	,6294	,8346	,2961	,2115	3607	— 2,34	——	+ 3,46
1964	50 47 9,62	19,774	,6021	,8835	,2961	,2115	3608	— 2,63	——	+ 1,09
1965	54 22 52,44	19,777	,5855	,9044	,2961	,2092	3611	— 2,11	——	— 7,60
1966	41 2 37,33	19,786	+9,6345	+9,8120	—1,2964	—9,2014	3613	— 2,64	——	+ 1,85
1967	57 55 41,82	19,789	,5611	,9228	,2964	,1991	3617	— 1,80	——	+ 7,72
1968	44 5 6,37	19,792	,6243	,8373	,2965	,1959	3623	+ 6,89	——	— 2,39
1969	43 44 42,43	19,793	,6243	,8347	,2965	,1951	3624	— 2,14	——	+ 8,97
1970	43 51 21,35	19,795	,6243	,8355	,2966	,1935	3626	— 2,43	——	+ 3,38
1971	60 23 48,09	19,796	+9,5441	+9,9341	—1,2966	—9,1927	3627	— 3,20	— 3,13	+ 2,27
1972	60 33	19,802	,5403	,9348	,2967	,1879	3630	——	——	——
1973	58 33 30,92	19,802	,5527	,9259	,2967	,1871	3631	— 2,32	— 2,44	+ 4,03
1974	25 51 55,22	19,803	,6599	,6351	,2967	,1863	3632	— 0,88	——	— 1,77
1975	59 43 27,32	19,803	,5465	,9312	,2967	,1863	3634	— 1,12	——	— 2,24
1976	58 45	19,812	+9,5490	+9,9271	—1,2969	—9,1781	3642	——	——	——
1977	58 50	19,812	,5478	,9275	,2969	,1781	3643	——	——	——
1978	53 26 26,92	19,818	,5775	,9001	,2970	,1731	3647	— 2,05	——	— 4,03
1979	56 45 40,20	19,826	,5563	,9178	,2972	,1646	3650	— 2,28	——	— 6,79
1980	58 47 49,00	19,832	,5416	,9277	,2974	,1586	3653	— 3,07	——	+ 4,11

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
1981	Centauri	8.9	3	11 26 51,87	+2,776	—9,0806	+8,2410	+0,443 4	+9,0030
1982	Hydræ	7.8	3	27 8,33	2,959	8,8814	,0382	,4711	8,5786
1983	A Centauri	6	3	27 11,91	2,813	9,0443	,2002	,4492	8,9490
1984	———	7.8	3	27 27,44	2,824	9,0340	,1872	,4509	8,9327
1985	C ———	6.7	2	27 31,65	2,871	8,9819	,1334	,4580	8,8426
1986	Centauri	8	3	27 52,94	2,746	—9,1211	+8,2680	+0,4387	+9,0588
1987	———	8	3	27 59,00	2,848	9,0104	,1564	,4545	8,8938
1988	———	6	3	28 11,80	2,873	8,9842	,1265	,4583	8,8468
1989	———	8	3	28 18,92	2,851	9,0107	,1521	,4550	8,8942
1990	———	6	2	28 18,14	2,745	9,1266	,2679	,4385	9,0660
1991	Centauri	8	3	28 21,00	2,741	—9,1304	+8,2708	+0,4541	+9,0710
1992	———	7.8	3	28 23,49	2,870	8,9890	,1285	,4579	8,8557
1993	E ———	—	—	28	2,745	9,1305	,2662	,4385	9,0711
1994	Hydræ	7.8	3	28 41,89	2,940	8,9080	,0427	,4683	8,6694
1995	Centauri	6.7	3	28 56,64	2,754	9,1236	,2565	,4400	9,0620
1996	Centauri	7.8	2	29 2,65	2,748	—9,1317	+8,2617	+0,4390	+9,0727
1997	———	7	4	29 6,85	2,928	8,9240	,0541	,4673	8,7144
1998	———	8	2	29 12,28	2,928	8,9243	,0534	,4666	8,7149
1999	———	6	2	29 38,85	2,759	9,1269	,2492	,4407	9,0663
2000	———	7.8	3	29 47,32	2,884	8,9819	,1024	,4600	8,8421
2001	Centauri	8	2	29 46,47	2,837	—9,0395	+8,1599	+0,4529	+8,9412
2002	C^2 ———	7	3	29 50,75	2,882	8,9855	,1039	,4597	8,8483
2003	———	7	2	30 4,36	2,775	9,1148	,2303	,4433	9,0501
2004	———	7.8	2	30 5,32	2,761	9,1297	,2452	,4411	9,0700
2005	———	7.8	3	30 10,24	2,768	9,1231	,2366	,4422	9,0612
2006	Centauri	—	—	30	2,933	—8,9268	+8,0344	+0,4673	+8,7210
2007	———	6	3	30 40,88	2,763	9,1344	,2409	,4414	9,0760
2008	———	7.8	3	30 55,93	2,930	8,9327	,0352	,4669	8,7358
2009	———	8	3	31 2,63	2,889	8,9867	,0872	,4609	8,8508
2010	———	7.8	3	31 35,28	2,817	9,0831	,1754	,4498	9,0062
2011	Centauri	8.9	3	31 40,41	2,869	—9,0177	+8,1090	+0,4577	+8,9056
2012	———	8	3	32 5,16	2,778	9,1342	,2192	,4437	9,0758
2013	———	7.8	3	32 9,65	2,879	9,0094	,0933	,4592	8,8913
2014	———	10	3	32 18,89	2,909	8,9685	,0524	,4637	8,8152
2015	———	7	3	33 0,53	2,860	9,0426	,1126	,4564	8,9457
2016	Hydrae	7.8	3	33 12,60	2,985	—8,8765	+7,9420	+0,4616	+8,5530
2017	Centauri	7.8	3	33 18,55	2,858	9,0485	8,1140	,4561	8,9547
2018	———	6	3	33 21,79	2,788	9,1386	8,2031	,4468	9,0814
2019	Hydræ	7	3	33 26,93	2,962	8,9063	7,9686	,4716	8,6622
2020	Centauri	7.8	3	33 30,27	2,939	8,9377	7,9989	,4682	8,7472
2021	Centauri	7.8	3	34 17,95	2,817	—9,1140	+8,1628	+0,4498	+9,0487
2022	———	7.8	3	34 37,08	2,845	9,0817	8,1247	,4541	9,0038
2023	———	8	3	35 0,78	2,822	9,1167	8,1527	,4506	9,0524
2024	Hydrae	6	3	35 30,24	2,964	8,9154	7,9418	,4719	8,6880
2025	Centauri	7.8	3	35 47,09	2,890	9,0299	8,0527	,4609	8,9251

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*		M.C.	T.	
	° ′ ″	″						s.	s.	″
1981	56 44 33,92	—19,834	+9,5539	+9,9179	—1,2974	—9,1560	3654	— 2,32	——	+ 2,82
1982	29 50 29,76	19,838	,6503	,6928	,2975	,1524	3655	— 2,32	——	+ 4,13
1983	53 22 48,24	19,839	,5717	,9003	,2975	,1516	3657	— 1,90	— 3,00	+ 0,96
1984	52 21 30,77	19,841	,5752	,8944	,2976	,1489	3658	— 3,42	——	+ 0,58
1985	46 29 15,96	19,843	,6031	,8564	,2976	,1471	3660	— 1,41	— 2,52	+ 2,90
1986	60 0 35,70	19,847	+9,5276	+9,9334	—1,2977	—9,1426	3661	— 1,72	——	+ 1,04
1987	49 50 22,47	19,848	,5866	,8792	,2977	,1417	3662	— 3,39	——	+ 0,87
1988	46 45 15,52	19,851	,5988	,8584	,2978	,1381	3663	— 1,50	— 3,76	+ 2,26
1989	49 51 32,52	19,852	,5855	,8794	,2978	,1372	3664	— 3,78	— 3,97	+ 1,48
1990	60 24 7,71	19,852	,5224	,9353	,2978	,1372	3665	— 2,86	——	+ 5,40
1991	60 41 36,48	19,852	+9,5198	+9,9365	—1,2978	—9,1363	3666	— 2,32	——	—11,15
1992	47 20 40,84	19,853	,5955	,8626	,2978	,1354	3667	——	— 2,37	— 3,31
1993	60 41	19,856	,5185	,9366	,2979	,1317	3672	——	——	——
1994	35 14 15,03	19,857	,6355	,7575	,2979	,1308	3671	— 1,08	——	— 8,16
1995	60 10 7,93	19,859	,5211	,9344	,2979	,1289	3675	— 3,43	——	+ 0,69
1996	60 46 48,14	19,861	+9,5172	+9,9370	—1,2980	—9,1261	3679	— 0,69	——	— 0,39
1997	38 4 22,93	19,861	,6263	,7864	,2980	,1261	3678	— 2,38	——	+ 2,12
1998	38 6	19,862	,6263	,7867	,2980	,1252	3680	— 4,35	——	
1999	60 23 44,97	19,867	,5159	,9356	,2981	,1186	3681	— 2,57	— 3,88	+11,48
2000	46 25 8,67	19,869	,5955	,8564	,2982	,1167	3682	— 3,25	——	— 8,66
2001	52 51 5,21	19,869	+9,5635	+9,8979	—1,2982	—9,1167	3683	— 1,97	——	+ 0,76
2002	46 51 45,95	19,870	,5933	,8596	,2982	,1147	3684	— 2,97	— 3,85	— 0,88
2003	59 28 45,77	19,872	,5198	,9316	,2982	,1118	3685	— 2,50	——	— 5,26
2004	60 35 58,14	19,872	,5132	,9366	,2982	,1118	3686	— 2,16	——	— 3,73
2005	60 5 53,41	19,874	,5159	,9345	,2983	,1099	3687	+ 0,84	——	+ 8,43
2006	38 28	19,878	+9,6222	+9,7906	—1,2984	—9,1040	3688	——	——	——
2007	60 56 27,98	19,879	,5079	,9382	,2984	,1030	3689	— 1,92	— 1,76	+ 2,34
2008	39 25 0,66	19,882	,6180	,7996	,2985	,0991	3692	— 2,28	— 3,12	— 3,30
2009	46 57 52,51	19,884	,5888	,8607	,2985	,0971	3694	— 1,89	——	+ 3,87
2010	56 51 10,73	19,889	,5315	,9197	,2986	,0890	3696	— 1,07	——	+ 3,14
2011	50 32 20,82	19,890	+9,5682	+9,8845	—1,2986	—9,0879	3697	— 0,89	——	+ 3,16
2012	60 54 46,29	19,894	,4997	,9383	,2987	,0818	3701	— 3,66	——	— 5,65
2013	49 36 1,27	19,895	,5717	,8787	,2987	,0807	3702	— 3,01	——	+ 0,59
2014	44 41 36,00	19,895	,5955	,8435	,2987	,0807	3704	—10,99	——	—5,37,44
2015	53 4 47,85	19,904	,5478	,9000	,2989	,0670	3709	— 2,60	——	+ 2,94
2016	28 19 6,33	19,907	+9,6405	+9,6736	—1,2990	—9,0626	3712	+ 1,44	——	— 5,59
2017	53 39 39,16	19,907	,5441	,9033	,2990	,0626	3714	— 2,20	——	+ 0,49
2018	61 12 10,23	19,908	,4914	,9399	,2990	,0615	3715	— 2,25	— 3,08	+ 2,72
2019	34 43 2,60	19,909	,6253	,7530	,2990	,0594	3716	— 2,32	——	— 5,43
2020	40 7 37,41	19,910	,6085	,8066	,2991	,0583	3718	— 1,57	— 3,11	— 9,44
2021	59 20 36,36	19,917	+9,5011	+9,9320	—1,2992	—9,0460	3724	— 3,68	——	— 2,46
2022	56 40 39,95	19,920	,5185	,9195	,2993	,0403	3726	— 2,44	——	+ 4,20
2023	59 32 2,88	19,924	,4955	,9331	,2994	,0334	3731	— 0,74	——	— 6,07
2024	36 18 5,22	19,929	,6159	,7702	,2995	,0240	3734	— 2,34	— 3,82	— 2,75
2025	51 43 56,01	19,931	,5453	,8927	,2995	,0204	3736	— 3,50	——	+ 2,10

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
2026	Centauri	7	3	11 35 51,70	+2,874	—9,0558	+8,0762	+0,4585	+8,9656
2027	———	6	3	35 55,39	2,811	9,1447	8,1639	,4488	9,0892
2028	———	7	2	36 16,79	2,810	9,1502	8,1633	,4487	9,0962
2029	———	6.7	3	36 47,22	2,917	8,9986	8,0041	,4649	8,8716
2030	———	8	2	37 6,52	2,882	9,0589	8,0555	,4597	8,9701
2031	Centauri	7	2	37 8,42	2,907	—9,0203	+8,0169	+0,4634	+8,9090
2032	———	6	3	37 21,74	2,922	8,9981	7,9909	,4657	8,8707
2033	———	8	3	37 49,95	2,921	9,0048	7,9861	,4655	8,8825
2034	———	9	3	37 56,15	2,906	9,0310	8,0119	,4633	8,9265
2035	———	7.8	3	38 1,96	2,921	9,0057	7,9866	,4655	8,8840
2036	Hydræ	7	2	38 19,30	3,004	—8,8725	+7,8440	+0,4777	+8,5310
2037	Centauri	—	—	38	2,839	9,1474	8,1120	,4532	9,0924
2038	———	5.6	2	38 48,52	2,854	9,1273	8,0905	,4554	9,0662
2039	———	10	3	38 48,44	2,862	9,1149	8,0782	,4567	9,0496
2040	———	8	2	38 53,68	2,846	9,1395	8,1014	,4542	9,0822
2041	Centauri	7	3	38 54,45	2,967	—8,9357	+7,8962	+0,4723	+8,7408
2042	———	7	2	39 0,09	2,845	9,1425	8,1030	,4541	9,0861
2043	Hydræ	7	3	39 24,29	2,998	8,8864	7,8370	,4768	8,5906
2044	Centauri	6.7	2	39 32,08	2,887	9,0842	8,0319	,4604	9,0069
2045	Hydræ	7.8	3	40 4,55	2,990	8,9056	7,8417	,4757	8,6573
2046	Centauri	9	3	41 18,13	2,959	—8,9757	+7,8844	+0,4711	+8,8278
2047	———	7.8	3	41 23,09	2,904	9,0845	7,9900	,4630	9,0072
2048	———	—	—	41	2,875	9,1367	8,0423	,4586	9,0785
2049	———	6.7	3	41 31,31	2,961	8,9747	7,8771	,4714	8,8258
2050	———	7.8	3	41 37,04	2,888	9,1179	8,0171	,4606	9,0536
2051	Centauri	8	3	41 59,56	2,983	—8,9347	+7,8258	+0,4746	+8,7374
2052	———	6.7	3	42 9,82	2,942	9,0222	7,9100	,4686	8,9117
2053	Hydræ	7	3	42 33,24	3,019	8,8706	7,7484	,4798	8,5188
2054	Centauri	6.7	3	42 39,68	2,882	9,1480	8,0225	,4597	9,0931
2055	———	9	3	42 52,39	2,916	9,0862	7,9556	,4648	9,0096
2056	Centauri	6.7	3	43 13,84	2,978	—8,9590	+7,8179	+0,4739	+8,7932
2057	———	7	2	43 23,44	2,896	9,1370	7,9924	,4618	9,0787
2058	Hydræ	6	3	43 37,10	3,014	8,8851	7,7352	,4791	8,5837
2059	Centauri	7.8	2	43 40,18	2,991	8,9351	7,7834	,4758	8,7382
2060	———	8	3	44 6,88	2,943	9,0490	7,8863	,4688	8,9545
2061	Centauri	9	3	44 16,55	2,929	—9,0858	+7,9194	+0,4667	+9,0090
2062	———	5.6	3	44 17,62	2,933	9,0768	7,9086	,4673	8,9961
2063	———	7.8	2	44 20,13	2,959	9,0188	7,8487	,4711	8,9058
2064	———	6.7	3	46 14,22	2,948	9,0818	7,8557	,4695	9,0032
2065	———	7	3	46 25,66	3,010	8,9202	7,6854	,4633	8,6984
2066	Centauri	7.8	3	46 26,96	3,000	—8,9466	+7,7118	+0,4771	+8,7651
2067	Hydræ	7	3	46 34,56	3,032	8,8654	7,6263	,4817	8,4889
2068	Centauri	7	3	46 58,04	2,960	9,0668	7,8165	,4713	8,9812
2069	———	7.8	2	47 28,31	2,974	9,0377	7,7690	,4733	8,9365
2070	———	7	3	47 48,89	3,012	8,9318	7,6512	,4788	8,7291

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	b'	c'	d'		M.C.	T.	
	° ′ ″	″						s.	s.	″
2026	54 18 29,72	—19,931	+9,5289	+9,9074	—1,2995	—9,0180	3738	— 4,36	——	+ 4,21
2027	61 36 3,51	19,932	,4728	,9421	,2996	,0168	3739	— 1,75	— 1,94	+ 2,85
2028	61 59 20,68	19,935	,4683	,9437	,2996	,0107	3740	— 2,39	— 3,30	+ 4,41
2029	48 15 15,04	19,940	,5611	,8708	,2997	,0033	3743	— 7,24	——	+ 4,71
2030	54 34 27,10	19,943	,5198	,9091	,2998	8,9945	3747	— 0,32	——	— 0,89
2031	50 40 59,57	19,943	+9,5453	+9,8866	—1,2998	—8,9945	3746	— 3,50	——	+ 3,42
2032	48 10 50,09	19,945	,5587	,8705	,2998	,9907	3748	— 3,34	——	+ 7,95
2033	48 57 38,17	19,949	,5527	,8757	,2999	,9803	3751	+ 1,07	——	—13,39
2034	51 48 4,03	19,950	,5353	8936	,2999	,9789	3752	— 3,14	——	+ 2,97
2035	49 3 33,78	19,950	,5514	,8763	,2999	,9789	3753	— 8,43	——	+ 1,12
2036	27 4 28,98	19,953	+9,6314	+9,6566	—1,3000	—8,9696	3758	——	——	+ 0,56
2037	61 45	19,957	,4564	,9432	,3001	,9628	3762	——	——	——
2038	60 17 22,42	19,957	,4683	,9371	,3001	,9614	3763	— 2,15	— 3,37	— 3,22
2039	59 20 1,38	19,958	,4757	,9329	,3001	,9614	3764	— 1,41	——	— 3,48
2040	61 11 25,89	19,958	,4609	,9403	,3001	,9600	3765	— 1,74	——	+ 4,13
2041	39 37 49,46	19,958	+9,5933	+9,8032	—1,3001	—8,9587	3766	— 0,30	——	+ 2,53
2042	61 24 23,36	19,958	,4579	,9418	,3001	,9587	3767	— 5,35	——	— 0,04
2043	30 21 58,67	19,962	,6221	,7025	,3002	,9489	3770	— 2,15	——	— 0,29
2044	56 48 29,52	19,963	,4928	,9211	,3002	,9460	3771	— 2,35	— 2,21	+ 0,89
2045	34 19 58,81	19,967	,6085	,7500	,3003	,9345	3773	— 2,41	——	— 0,36
2046	45 20 2,14	19,976	+9,5587	+9,8507	—1,3005	—8,9073	3782	— 3,37	——	—17,74
2047	56 48 7,49	19,977	,4829	,9214	,3005	,9042	3783	— 2,52	— 2,57	+ 0,23
2048	60 57	19,977	,4472	,9403	,3005	,9042	3784	——	——	——
2049	45 10 44,80	19,977	,5587	,8497	,3005	,9010	3785	— 1,52	——	+ 7,23
2050	59 32 13,64	19,978	,4594	,9343	,3005	,8978	3786	— 0,66	——	— 3,66
2051	39 23 14,21	19,981	+9,5843	+9,8014	—1,3006	—8,8898	3789	— 2,62	——	— 1,43
2052	50 48 40,36	19,982	,5224	,8842	,3006	,8865	3790	— 2,58	——	— 0,47
2053	26 23 17,13	19,984	,6253	,6470	,3007	,8766	3793	— 2,65	——	+ 1,31
2054	61 45 33,96	19,985	,4330	,9438	,3007	,8732	3794	— 2,54	——	— 0,01
2055	56 56 29,00	19,986	,4757	,9222	,3007	,8682	3795	— 1,40	——	— 3,88
2056	43 2 30,56	19,989	+9,5635	+9,8331	—1,3008	—8,8578	3799	— 2,58	——	+ 5,34
2057	60 57 23,49	19,990	,4362	,9406	,3008	,8543	3800	— 0,11	——	— 3,09
2058	29 55 58,13	19,991	,6138	,6974	,3008	,8490	3802	— 2,44	——	— 6,93
2059	39 25 0,89	19,992	,5798	,8020	,3008	,8472	3803	— 2,40	——	+ 0,81
2060	53 31 7,57	19,994	,4955	,9044	,3009	,8363	3805	— 2,77	——	+ 0,09
2061	56 54 36,43	19,995	+9,4683	+9,9222	—1,3009	—8,8326	3806	— 6,23	——	— 4,66
2062	56 5 55,96	19,995	,4742	,9182	,3009	,8307	3807	— 1,76	— 2,16	+ 0,63
2063	50 25 27,69	19,995	,5159	,8860	,3009	,8289	3808	— 2,10	——	— 4,46
2064	56 31 10,46	20,006	,4594	,9206	,3011	,7731	3819	— 2,39	— 3,11	+ 0,99
2065	36 51 40,56	20,007	,6821	,7775	,3012	,7645	3820	— 2,18	— 3,37	+ 2,01
2066	41 9 17,11	20,007	+9,5623	+9,8173	—1,3012	—8,7645	3821	— 3,05	——	—10,04
2067	24 49 39,27	20,008	,6212	,6228	,3012	,7601	3822	— 2,18	— 3,35	— 2,90
2068	55 11 52,57	20,009	,4683	,9137	,3012	,7490	3826	— 3,13	——	— 7,36
2069	52 20 53,17	20,012	,4885	,8982	,3013	,7307	3831	— 1,87	——	+ 1,49
2070	38 47 49,30	20,014	,5694	,7967	,3013	,7188	3834	— 0,91	— 3,04	+ 3,37

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	S.				
2071	Hydræ	—	—	11 48	+ 3,029	—8,8922	+7,5815	+0,4813	+8,6090
2072	Centauri	7	2	48 41,62	3,000	8,9833	,6691	,4771	8,8418
2073	Hydræ	7	3	48 57,13	3,028	8,8971	,5734	,4812	8,6268
2074	Centauri	7.8	3	49 0,32	2,989	9,0267	,7003	,4755	8,9187
2075	Hydræ	7.8	3	49 23,31	3,038	8,8705	,5276	,4826	8,5152
2076	Centauri	7.8	3	49 24,29	3,021	—8,9248	+7,5819	+0,4801	+8,7105
2077	———	7	3	49 40,09	2,959	9,1460	,7918	,4711	9,0902
2078	———	7.8	3	49 45,94	2,968	9,1191	,7621	,4724	9,0548
2079	———	7.8	3	49 57,63	2,983	9,0759	,7102	,4746	8,9945
2080	———	6	3	50 11,69	2,986	9,0698	,6922	,4751	8,9856
2081	Centauri	7	1	50 14,04	3,021	—8,9398	+7,5621	+0,4801	+8,7486
2082	———	9	3	50 34,60	3,000	9,0332	,6371	,4771	8,9292
2083	Hydræ	7.8	3	50 45,96	3,043	8,8665	,4640	,4833	8,4932
2084	Centauri	6	3	51 5,54	3,006	9,0232	,6044	,4780	8,9126
2085	Hydræ	7.8	3	51 13,73	3,040	8,8826	,4571	,4829	8,5709
2086	Centauri	7	2	51 19,67	2,994	—9,0794	+7,6472	+0,4762	+8,9995
2087	Hydræ	7.8	3	51 23,83	3,034	8,9074	,4717	,4820	8,6599
2088	Centauri	7	3	51 22,64	2,976	9,1515	,7158	,4736	9,0973
2089	———	7.8	2	51 27,69	3,018	8,9800	,5408	,4797	8,8352
2090	Crucis	8	3	51 37,03	2,986	9,1238	,6741	,4751	9,0610
2091	Centauri	7	3	52 2,28	3,024	—8,9673	+7,4957	+0,4806	+8,8098
2092	———	7.8	3	52 40,63	3,021	9,0041	,4974	,4801	8,8799
2093	———	7	3	53 22,58	3,011	9,0834	,5295	,4787	9,0052
2094	———	7	3	53 35,16	3,036	8,9457	,3781	,4823	8,7624
2095	———	7	3	53 38,87	3,044	8,9041	,3269	,4834	8,6492
2096	Centauri	8	3	54 6,69	3,026	—9,0312	+7,4244	+0,4809	+8,9258
2097	Crucis	7.8	3	54 16,37	3,009	9,1458	,5287	,4784	9,0899
2098	Centauri	8	2	54 22,68	3,022	9,0729	,4452	,4803	8,9899
2099	Crucis	8	3	54 47,31	3,014	9,1426	,4814	,4791	9,0857
2100	Hydræ	8	3	54 50,98	3,051	8,8900	,2230	,4844	8,5997
2101	Centauri	—	—	54	3,023	—9,0924	+7,4254	+0,4804	+9,0179
2102	———	7	3	54 51,37	3,024	9,0808	,4138	,4806	9,0014
2103	———	7.8	3	54 53,90	3,036	9,0050	,3321	,4823	8,8813
2104	———	7	3	54 56,02	3,037	8,9927	,3199	,4824	8,8592
2105	———	8	2	55 36,18	3,030	9,0864	,3563	,4814	9,0094
2106	Centauri	7.8	3	55 36,94	3,034	—9,0531	+7,3162	+0,4820	+8,9602
2107	———	7	3	56 4,45	3,035	9,0820	,2939	,4822	9,0031
2108	Crucis	7	3	56 33,41	3,037	9,1043	,2583	,4824	9,0346
2109	Centauri	7.8	3	57 7,56	3,050	9,0104	,0763	,4843	8,8908
2110	———	8	3	57 8,46	3,050	8,9996	,0634	,4843	8,8717
2111	Centauri	7	3	57 46,85	3,053	—9,0485	+6,9893	+0,4846	+8,9531
2112	———	7	3	57 53,63	3,061	8,8959	,8068	,4859	8,6211
2113	———	7.8	3	58 25,56	3,062	8,9215	,7075	,4860	8,7010
2114	———	8	3	59 8,61	3,064	8,9555	,4192	,4863	8,7842
2115	———	8	3	59 18,71	3,065	8,9723	,2811	,4864	8,8196

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s	″
2071	31 22	−20,018	+9,5966	+9,7163	−1,3014	−8,6889	3836	—	—	—
2072	46 10 55,40	20,018	,5250	,8580	,3014	,6863	3838	− 2,51	− 2,49	+ 4,05
2073	32 25 28,97	20,019	,5922	,7291	,3014	,6757	3839	− 2,91	− 3,29	− 1,72
2074	51 12 30,29	20,019	,4899	,8914	,3014	,6731	3840	− 2,90	—	+ 2,37
2075	26 9 43,43	20,020	,6117	,6442	,3015	,6567	3843	− 2,81	—	+ 0,45
2076	37 36 19,43	20,020	+9,5705	+9,7853	−1,3015	−8,6567	3844	− 2,38	—	+ 1,45
2077	61 33 24,47	20,021	,3892	,9438	,3015	,6454	3845	− 2,20	—	+ 3,74
2078	59 33 40,10	20,022	,4116	,9353	,3015	,6426	3846	− 2,34	− 3,58	− 1,09
2079	55 58 26,56	20,023	,4456	,9182	,3015	,6338	3847	− 3,70	—	+ 0,57
2080	55 25 37,30	20,024	,4472	,9153	,3015	,6220	3849	− 1,69	− 1,29	− 5,26
2081	40 3 30,18	20,024	+9,5551	+9,8084	−1,3015	−8,6220	3850	− 2,80	—	− 6,94
2082	51 52 35,97	20,025	,4771	,8956	,3016	,6035	3852	− 0,69	—	+ 2,88
2083	25 1 5,54	20,025	,6128	,6264	,3016	,5971	3853	− 2,07	− 3,56	− 2,87
2084	50 48 21,46	20,027	,4814	,8892	,3016	,5809	3856	− 2,55	− 2,82	− 1,58
2085	29 10 10,02	20,027	,5988	,6880	,3016	,5743	3858	− 1,72	—	+ 1,68
2086	56 16 34,82	20,027	+9,4346	+9,9198	−1,3016	−8,5674	3859	− 2,39	—	− 2,62
2087	34 25 3,58	20,028	,5786	,7523	,3016	,5640	3860	− 2,75	—	+ 10,44
2088	61 56 22,44	20,028	,3729	,9455	,3016	,5640	3861	− 0,36	—	+ 0,58
2089	45 44 29,66	20,028	,5172	,8549	,3016	,5605	3862	− 3,46	—	+ 1,97
2090	59 54 46,62	20,029	,3944	,9370	,3016	,5500	3864	− 1,01	—	− 5,60
2091	43 58 8,37	20,030	+9,5263	+9,8422	−1,3017	−8,5281	3869	− 2,45	—	+5,7,76
2092	48 40 35,14	20,031	,4899	,8756	,3017	,4930	3873	− 2,24	—	+10,03
2093	56 36 41,33	20,033	,4183	,9216	,3017	,4459	3874	− 2,25	—	− 1,53
2094	40 56 14,46	20,034	,5391	,8165	,3018	,4322	3875	− 2,65	—	+ 1,06
2095	39 45 36,60	20,034	,5752	,7450	,3018	,4227	3876	− 2,89	—	+ 2,92
2096	51 38 17,96	20,035	+9,4594	+9,8944	−1,3018	−8,3931	3879	− 1,41	—	− 0,23
2097	61 31 19,75	20,035	,3579	,9440	,3018	,3828	3880	− 2,74	—	+ 3,78
2098	55 40 10,90	20,036	,4216	,9169	,3018	,3722	3882	− 2,15	—	− 6,16
2099	61 17 4,31	20,036	,3560	,9430	,3018	,3387	3887	− 2,72	—	− 1,36
2100	30 48 1,08	20,036	,5843	,7096	,3018	,3329	3888	− 1,85	—	− 6,83
2101	57 22	20,036	+9,4014	+9,9254	−1,3018	−8,3329	3889	—	—	—
2102	56 22 8,36	20,036	,4116	,9205	,3018	,3329	3890	− 2,26	—	− 1,61
2103	48 45 41,66	20,036	,4800	,8762	,3018	,3270	3891	− 2,06	—	− 3,30
2104	47 18 11,50	20,036	,4914	,8664	,3018	,3270	3893	− 1,07	—	+ 0,96
2105	56 51 3,04	20,038	,4031	,9229	,3018	,2699	3895	− 4,91	—	+ 4,04
2106	58 49 11,35	20,038	+9,4330	+9,9071	−1,3018	−8,2630	3897	− 1,56	− 2,77	+ 2,63
2107	56 28 20,75	20,038	,4048	,9210	,3019	,2119	3900	− 2,73	—	− 0,26
2108	58 21 39,48	20,039	,3802	,9302	,3019	,1539	3903	− 3,87	—	+ 2,53
2109	49 22 44,93	20,040	,4639	,8804	,3019	,0658	3910	− 1,76	—	+ 3,38
2110	48 6 51,98	20,040	,4742	,8721	,3019	,0658	3911	− 1,73	—	+ 3,44
2111	53 22 0,85	20,041	+9,4249	+9,9046	−1,3019	−7,9408	3916	− 2,16	− 3,67	+ 1,57
2112	32 3 39,15	20,041	,5705	,7252	,3019	,9109	3918	− 2,37	—	− 0,82
2113	36 58 7,22	20,041	,5453	,7794	,3019	,7859	3922	− 4,22	—	− 3,08
2114	42 21 20,09	20,041	,5092	,8287	,3019	,4637	3925	− 2,12	—	+ 0,36
2115	44 41 28,34	20,041	,4899	,8473	,3019	,3088	3926	− 2,89	− 3,15	− 3,49

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
2116	Centauri	7.8	3	11 59 49,52	+ 3,067	—9,0149	+5,9558	+0,4867	+8,8886
2117	——	6	3	59 49,72	3,068	9,0140	—5,4778	,4869	8,8976
2118 E	——	7	3	59 59,36	3,069	8,9970	5,9378	,4870	8,8663
2119	Crucis	7.8	2	12 0 5,86	3,071	9,1247	6,1905	,4873	9,0622
2120	Centauri	5	3	0 5,78	3,070	9,0146	6,1773	,4871	8,8986
2121	Crucis	7.8	2	0 7,17	3,073	—9,1247	—6,4915	+0,4876	+9,0622
2122	Centauri	6	2	0 38,82	3,077	8,9631	,5408	,4881	8,8066
2123	——	6	3	0 39,58	3,072	8,9420	,5197	,4874	8,7334
2124	——	6	2	1 28,88	3,080	9,0242	,8682	,4885	8,9142
2125	——	6.7	3	2 17,18	3,079	8,9215	,9651	,4884	8,7616
2126	Centauri	8	3	2 20,84	3,079	—8,9157	—6,9503	+0,4884	+8,6846
2127	Hydræ	7	3	2 37,76	3,076	8,8748	6,9720	,4880	8,5348
2128	Centauri	7	2	2 45,20	3,085	8,9701	7,0783	,4893	8,8178
2129	Crucis	7	3	2 45,13	3,098	9,1304	7,2376	,4911	9,0698
2130	Centauri	6	3	3 8,37	3,087	8,9627	7,1254	,4895	8,7998
2131	Centauri	7.8	3	3 14,80	3,092	—9,0203	—7,2001	+0,4902	+8,9078
2132	Crucis	7.8	3	4 2,80	3,109	9,1145	,3845	,4926	9,0485
2133	——	8	3	4 27,60	3,112	9,1093	,4181	,4930	9,0414
2134	Centauri	8	3	4 30,27	3,088	8,9196	,2346	,4897	8,6957
2135	——	7.8	3	5 7,27	3,092	8,9276	,2945	,4902	8,7176
2136	Hydræ	8	3	5 24,96	3,084	—8,8719	—7,2651	+0,4891	+8,5209
2137	Centauri	7.8	3	5 37,43	3,115	9,0611	,4644	,4935	8,9724
2138	Crucis	8	3	5 48,11	3,124	9,0997	,5178	,4947	9,0282
2139	Centauri	7.8	3	5 51,55	3,115	9,0448	,4677	,4935	8,9474
2140	——	7.8	3	6 41,89	3,102	8,9412	,4220	,4916	8,7516
2141	Hydræ	7	3	6 46,80	3,090	—8,8793	—7,3643	+0,4900	+8,5561
2142	Centauri	7	3	7 14,27	3,105	8,9462	,4593	,4921	8,7636
2143	——	7	3	7 29,84	3,127	9,0462	,5708	,4951	8,9491
2144	——	7.8	3	9 10,74	3,129	8,9987	,6119	,4954	8,8704
2145	Crucis	7.8	3	9 24,05	3,154	9,0872	,7096	,4989	9,0107
2146	Centauri	7	3	9 27,42	3,107	—8,9114	—7,5367	+0,4923	+8,6725
2147	Crucis	8	3	9 32,93	3,169	9,1325	,7638	,5009	9,0726
2148	Centauri	7.8	3	9 43,17	3,140	9,0289	,6661	,4969	8,9221
2149 F	——	7	3	10 29,77	3,155	9,0572	,7280	,4990	8,9667
2150	——	7.8	3	11 11,88	3,109	8,8937	,5908	,4926	8,6146
2151	Crucis	8	3	11 14,49	3,194	—9,1518	—7,8514	+0,5043	+9,0977
2152	Centauri	7	3	11 44,20	3,120	8,9206	,6376	,4941	8,6994
2153	——	8	2	12 26,95	3,146	8,9862	,7292	,4978	8,8475
2154	Hydræ	—	—	12	3,105	8,8728	,6203	,4921	8,5279
2155	Crucis	7.8	3	12 40,28	3,206	9,1434	,8931	,5060	9,0869
2156	Centauri	7	3	12 41,00	3,134	—8,9501	—7,6998	+0,4961	+8,7731
2157	——	8	3	13 17,13	3,159	9,0069	,7787	,4995	8,8853
2158	——	—	—	13	3,183	9,0702	,8441	,5028	8,9868
2159	Crucis	6	3	14 11,96	3,196	9,0848	,8816	,5046	9,0075
2160	——	—	—	14	3,201	9,0844	,8969	,5053	9,0069

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	b'	c'	d'	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2116	49 52 22,69	—20,041	+9,4472	+9,8836	—1,3019	—6,9408	3928	—16,84	——	— 1,94
2117	49 46 13,26	20,041	,4472	,8830	,3019	+6,4637	3930	— 2,49	— 3,00	+ 0,69
2118	47 48 0,78	20,041	,4639	,8699	,3019	6,9408	3932	— 0,82	— 1,49	+ 3,67
2119	59 57 24,44	20,041	,3344	,9375	,3019	7,0658	3933	— 3,57	——	— 1,49
2120	49 49 52,84	20,041	,4455	,8834	,3019	7,1627	3934	— 2,82	— 2,36	— 1,69
2121	59 57 25,54	20,041	+9,3324	+9,9375	—1,3019	+7,3668	3937	+ 7,54	——	— 0,19
2122	43 25 56,22	20,041	,4983	,8375	,3019	7,5777	3938	— 2,92	——	+ 2,23
2123	40 20 27,36	20,041	,5172	,8114	,3019	7,5777	3939	— 2,54	— 3,74	— 2,51
2124	50 53 34,85	20,041	,4297	,8900	,3019	7,8439	3942	— 8,59	——	+ 6,70
2125	36 58 40,21	20,040	,5315	,7794	,3019	8,0435	3945	— 2,28	— 2,41	+ 1,74
2126	35 56 40,19	20,040	+9,5378	+9,7688	—1,3019	+8,0435	3946	— 2,22	——	+ 1,56
2127	27 10 34,51	20,040	,5798	,6600	,3019	,0972	3947	— 1,66	——	+ 3,26
2128	44 31 56,75	20,039	,4471	,8461	,3019	,1072	3948	— 2,39	——	+ 0,29
2129	60 23 10,23	20,039	,3075	,9393	,3019	,1072	3949	— 2,04	——	+ 0,81
2130	43 23 19,49	20,039	,4843	,8371	,3019	,1627	3951	— 2,68	——	+ 4,35
2131	50 27 59,37	20,039	+9,4233	+9,8874	—1,3019	+8,1797	3952	+ 2,16	+ 1,59	— 2,23
2132	59 10 36,23	20,037	,3139	,9339	,3018	,2699	3957	— 2,97	——	— 1,88
2133	58 45 49,32	20,037	,3181	,9320	,3018	,3088	3960	— 2,07	——	+ 0,63
2134	36 38 10,54	20,037	,5250	,7760	,3018	,3149	3961	— 0,81	——	— 2,83
2135	38 2 14,36	20,036	,5159	,7899	,3018	,3668	3963	— 2,91	— 3,35	+ 1,95
2136	26 25 51,49	20,035	+9,5775	+9,6489	—1,3018	+8,3931	3964	— 1,41	——	+13,51
2137	54 35 29,94	20,035	,3636	,9112	,3018	,4032	3966	— 3,29	——	— 4,04
2138	57 59 8,42	20,034	,3181	,9283	,3018	,4179	3970	— 2,90	— 2,38	— 3,33
2139	53 1 54,29	20,034	,3802	,9025	,3018	,4227	3971	— 1,20	——	— 5,91
2140	40 14 46,99	20,032	,4941	,8103	,3017	,4807	3976	+ 0,36	——	— 3,34
2141	28 20 41,79	20,032	+9,5658	+9,6766	—1,3017	+8,4848	3977	— 0,69	——	+ 2,76
2142	41 0 54,09	20,030	,4857	,8171	,3017	,5129	3979	— 1,19	——	— 3,15
2143	53 9 54,16	20,030	,3674	,9032	,3017	,5243	3981	— 3,27	——	+ 4,78
2144	48 1 57,56	20,024	,4150	,8713	,3016	,6128	3987	— 2,31	——	+61,39
2145	56 57 38,04	20,024	,3032	,9231	,3015	,6220	3989	— 3,01	——	— 3,01
2146	35 12 18,73	20,023	+9,5185	+9,7607	—1,3015	+8,6250	3990	— 2,48	— 2,52	— 4,49
2147	60 34 47,95	20,023	,2455	,9397	,3015	,6309	3991	— 2,85	——	— 0,62
2148	51 24 59,75	20,022	,3747	,8928	,3015	,6368	3992	— 3,00	——	+ 1,18
2149	54 15 10,10	20,019	,3324	,9090	,3014	,6704	3995	— 1,87	— 2,39	— 3,51
2150	31 42 0,12	20,016	,5353	,7204	,3014	,6965	3997	— 3,52	——	— 3,07
2151	61 57 53,34	20,016	+9,2041	+9,9454	—1,3014	+8,6991	3998	— 2,61	——	— 1,40
2152	36 53 28,82	20,014	,4997	,7782	,3013	,7164	4006	— 1,89	— 1,79	— 0,90
2153	46 33 56,86	20,011	,4116	,8606	,3013	,7424	4009	— 1,49	——	— 0,21
2154	26 49	20,010	,5587	,6544	,3012	,7468	4011	——	——	——
2155	61 23 33,86	20,009	,2014	,9429	,3012	,7490	4012	— 2,58	——	+ 0,69
2156	41 40 20,23	20,009	+9,4579	+9,8223	—1,3012	+8,7490	4013	— 1,63	——	+ 2,12
2157	49 3 35,21	20,006	,3802	,8776	,3012	,7710	4016	— 3,06	——	+ 5,71
2158	35 25	20,006	,2967	,9153	,3011	,7731	4020	——	——	——
2159	56 47 12,93	20,001	,2695	,9218	,3011	,7979	4023	— 2,53	— 3,06	+ 0,84
2160	56 45	19,999	,2648	,9216	,3010	,8137	4026	——	——	——

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
2161	Crucis	7	3	12 14 53,98	+3,225	—9,1342	—7,9546	+0,5085	+9,0750
2162	Centauri	8	3	14 58,37	3,144	8,9451	,7674	,4975	8,7619
2163	———	7	3	15 10,94	3,139	8,9291	,7571	,4968	8,7228
2164	———	6.7	2	15 19,68	3,138	8,9267	,7584	,4966	8,7165
2165	Hydræ	7	3	15 25,60	3,119	8,8831	,7167	,4940	8,5749
2166	Centauri	7.8	3	15 50,48	3,166	—8,9852	—7,8316	+0,5005	+8,8458
2167	Crucis	—	—	15	3,211	9,0840	,9323	,5066	9,0064
2168	Centauri	7.8	3	16 35,83	3,175	8,9926	,8603	,5017	8,8599
2169	———	7	3	16 42,21	3,155	8,9493	,8186	,4990	8,7718
2170	G ———	6.7	3	17 55,55	3,196	9,0198	,9190	,5046	8,9077
2171	Centauri	7.8	3	18 22,13	3,206	—9,0317	—7,9420	+0,5060	+8,9273
2172	———	7.8	3	18 23,05	3,188	8,9974	7,9077	,5035	8,8688
2173	Crucis	7.8	3	18 35,08	3,221	9,0627	7,9791	,5080	8,9754
2174	———	7	3	18 43,78	3,241	9,0916	8,0096	,5107	9,0174
2175	———	7.8	3	19 23,93	3,273	9,1354	8,0685	,5149	9,0768
2176	Centauri	5.6	3	19 25,66	3,201	—9,0086	—7,9417	+0,5053	+8,8888
2177	Crucis	7.8	3	19 34,52	3,275	9,1358	8,0734	,5152	9,0773
2178	Centauri	—	—	19	3,174	8,9562	7,8923	,5016	8,7876
2179	Virginis	7.8	2	19 43,22	3,083	8,8263	7,7668	,4890	7,9599
2180	Crucis	7	3	19 53,14	3,239	9,0695	8,0143	,5104	8,9856
2181	Crucis	8	3	20 2,67	3,281	—9,1369	—8,0846	+0,5160	+9,0788
2182	Centauri	8	3	20 21,96	3,210	9,0121	7,9670	,5065	8,8950
2183	———	7.8	3	20 40,74	3,149	8,9034	7,8639	,4982	8,6508
2184	Crucis	8.9	2	20 54,83	3,266	9,0999	8,0659	,5140	9,0291
2185	———	7	3	21 7,45	3,250	9,0707	8,0409	,5119	8,9876
2186	Centauri	6.7	3	21 25,43	3,177	—8,9434	—7,9203	+0,5020	+8,7593
2187	Crucis	7	3	21 26,20	3,288	9,1248	8,1017	,5169	9,0629
2188	Centauri	7.8	3	21 27,67	3,182	8,9513	7,9282	,5027	8,7774
2189	Muscae	—	—	21	3,294	9,1209	8,1149	,5177	9,0577
2190	Crucis	7	3	22 47,06	3,288	9,1044	8,1087	,5169	9,0355
2191	Centauri	7.8	3	22 46,11	3,183	—8,9416	—7,9447	+0,5028	+8,7555
2192	Crucis	7.8	2	23 4,74	3,279	9,0906	8,0999	,5157	9,0163
2193	———	—	—	23	3,264	9,0650	8,0756	,5137	8,9794
2194	———	7.8	4	23 20,49	3,265	9,0659	8,0790	,5139	8,9807
2195	Centauri	7	3	23 25,23	3,184	8,9386	7,9541	,5030	8,7485
2196	Hydræ	7.8	3	23 45,11	3,138	—8,8706	—7,8910	+0,4966	+8,5234
2197	Crucis	7.8	2	24 27,68	3,288	9,0837	8,1173	,5169	9,0067
2198	Centauri	8	3	24 31,07	3,238	9,0115	8,0463	,5103	8,8945
2199	———	8	3	24 31,54	3,267	9,0536	8,0883	,5141	8,9622
2200	———	7.8	3	24 54,27	3,193	8,9406	7,9824	,5042	8,7536
2201	Crucis	8	2	25 9,83	3,282	—9,0655	—8,1131	+0,5161	+8,9803
2202	Centauri	5.6	3	26 4,86	3,214	8,9627	,0238	,5070	8,8028
2203	Crucis	7	3	26 26,58	3,346	9,1338	,2016	,5245	9,0751
2204	———	7	3	26 31,80	3,348	9,1351	,2040	,5248	9,0769
2205	Centauri	—	—	27	3,205	8,9405	,0201	,5058	8,7541

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*		M. C.	T.	
	° ′ ″	″						s.	s.	″
2161	60 44 27,23	—19,998	+9,1903	+9,9399	—1,3010	+8,8194	4030	— 2,31	—	+ 1,14
2162	40 57 30,42	19,997	,4548	,8158	,3010	,8213	4033	— 2,16	—	— 2,04
2163	38 24 46,77	19,996	,4757	,7927	,3010	,8270	4034	— 2,53	—	+ 5,70
2164	38 1 22,52	19,995	,4786	,7888	,3009	,8307	4036	— 3,06	—	— 5,07
2165	29 26 49,74	19,994	,5378	,6909	,3009	,8326	4038	— 1,60	—	— 1,29
2166	46 29 5,34	19,992	+9,3962	+9,8596	—1,3008	+8,8454	4039	— 2,71	—	+ 0,67
2167	56 45	19,992	,2553	,9214	,3008	,8472	4040	—	—	—
2168	47 25 16,24	19,987	,3784	,8661	,3007	,8664	4044	— 0,88	—	+ 4,61
2169	41 37 30,82	19,986	,4393	,8214	,3007	,8682	4045	— 2,85	—	+ 0,91
2170	50 33 48,79	19,979	,3324	,8866	,3006	,8978	4052	— 3,04	— 3,25	— 4,06
2171	51 48 56,05	19,976	+9,3117	+9,8942	—1,3005	+8,9088	4054	— 2,94	—	— 0,66
2172	48 1 17,93	19,976	,3617	,8700	,3005	,9088	4055	— 1,82	— 2,09	+ 3,86
2173	54 50 56,55	19,976	,2648	,9113	,3005	,9150	4058	—	—	+ 0,29
2174	57 25 49,75	19,973	,2148	,9243	,3004	,9165	4059	— 2,44	—	— 2,11
2175	60 52 22,30	19,968	,1367	,9398	,3003	,9315	4060	— 4,19	—	— 9,52
2176	49 20 35,22	19,968	+9,3404	+9,8786	—1,3003	+8,9315	4062	— 3,34	— 3,83	+ 4,15
2177	60 54 30,93	19,967	,1335	,9399	,3003	,9359	4064	— 3,75	—	— 1,88
2178	42 41	19,967	,4166	,8299	,3003	,9345	4065	—	—	—
2179	7 47 22,44	19,965	,6222	,1319	,3003	,9388	4066	— 1,54	—	— 0,40
2180	55 30 44,02	19,964	,2405	,9145	,3002	,9432	4067	— 1,43	—	— 8,20
2181	60 59 4,87	19,963	+9,1238	+9,9402	—1,3002	+8,9460	4069	— 1,68	—	— 0,26
2182	49 45 43,47	19,960	,3263	,8811	,3002	,9531	4070	— 1,39	—	— 2,61
2183	33 56 47,93	19,958	,4914	,7456	,3001	,9587	4071	— 1,85	—	+ 3,70
2184	58 8 10,37	19,956	,1791	,9274	,3001	,9642	4072	— 1,42	—	+ 6,13
2185	55 38 24,17	19,954	,2253	,9150	,3000	,9682	4073	— 2,45	—	— 2,48
2186	40 50 58,37	19,952	+9,4265	+9,8140	—1,3000	+8,9750	4077	— 2,08	— 3,91	— 1,71
2187	60 6 17,90	19,952	,1303	,9362	,3000	,9750	4075	— 2,22	—	— 6,74
2188	42 2 36,07	19,952	,4133	,8241	,3000	,9750	4078	— 3,66	—	+ 3,07
2189	69 48	19,944	,1238	,9348	,2998	,9919	4079	—	—	—
2190	58 32 16,36	19,941	,1492	,9289	,2997	9,0021	4083	— 1,74	— 1,25	+ 3,48
2191	40 37 12,89	19,940	+9,4216	+9,8117	—1,2997	+9,0008	4084	— 1,05	—	+ 7,15
2192	57 24 20,95	19,937	,1732	,9234	,2997	,0070	4087	— 2,85	—	— 1,40
2193	55 9	19,936	,2175	,9121	,2997	,0083	4088	—	—	—
2194	55 14 48,01	19,935	,2122	,9125	,2996	,0107	4090	— 2,70	—	— 7,69
2195	40 10 13,61	19,934	,4249	,8075	,2996	,0132	4092	— 1,75	—	— 6,71
2196	26 40 54,04	19,932	+9,5340	+9,6504	—1,2995	+9,0180	4093	— 2,05	—	+ 1,92
2197	56 49 55,16	19,925	,1703	,9204	,2994	,0311	4095	— 3,24	—	— 2,99
2198	49 46 6,54	19,925	,2967	,8804	,2994	,0323	4096	— 2,23	—	— 2,09
2199	54 5 46,88	19,924	,2227	,9062	,2994	,0323	4098	— 1,56	—	+ 3,37
2200	40 31 47,09	19,920	,4133	,8104	,2993	,0392	4099	— 2,10	—	+ 1,21
2201	55 14 43,87	19,917	+9,1931	+9,9121	—1,2992	+9,0449	4100	+ 0,50	—	+ 0,49
2202	43 46 44,49	19,910	,3692	,8373	,2991	,0583	4105	— 3,35	— 3,97	+ 1,85
2203	60 51 24,01	19,906	,0414	,9384	,2990	,0648	4106	— 2,80	—	— 2,83
2204	60 57 15,39	19,904	,0374	,9388	,2990	,0659	4107	— 2,79	—	+ 1,89
2205	40 35	19,898	,4014	,8105	,2988	,0765	4111	—	—	—

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
2206	Centauri	7.8	3	12 27 23,54	+3,270	—9,0272	—8,1101	+0,5145	+8,9210
2207	———	7	3	28 0,07	3,260	9,0079	,1002	,5132	8,8889
2208	———	7	3	28 2,83	3,198	8,9268	,0201	,5049	8,7207
2209	Crucis	8	3	28 35,11	3,328	9,0871	,1886	,5222	9,0118
2210	———	7.8	3	28 52,20	3,328	9,0845	,1900	,5222	9,0082
2211	Crucis	7.8	3	29 11,30	3,312	—9,0626	—8,1732	+0,5190	+8,9764
2212	Centauri	8.9	3	29 32,39	3,249	8,9806	,0961	,5117	8,8394
2213	———	7.8	3	30 4,82	3,208	8,9268	,0501	,5062	8,7212
2214	———	—	—	30	3,170	8,8806	,0116	,5011	8,5788
2215	Hydræ	6.7	2	30 55,04	3,166	8,8767	,0125	,5005	8,5580
2216	Centauri	7.8	3	32 26,93	3,246	—8,9571	—8,1140	+0,5113	+8,7929
2217	Hydræ	7.8	3	32 44,95	3,167	8,8697	,0302	,5006	8,5275
2218	Crucis	5.6	3	32 47,52	3,385	9,2054	,2677	,5296	9,0377
2219	———	—	—	32	3,387	9,1054	,2694	,5298	9,0377
2220	Centauri	7.8	3	33 6,94	3,334	9,0492	,2150	,5230	8,9567
2221	Centauri	7.8	3	33 6,95	3,275	—8,9834	—8,1510	+0,5152	+8,8458
2222	Crucis	7.8	3	33 14,92	3,407	9,1225	,2900	,5324	9,0607
2223	Centauri	7.8	3	33 39,74	3,336	9,0466	,2194	,5232	8,9528
2224	———	5.6	3	33 46,12	3,287	8,9933	,1678	,5168	8,8642
2225	———	6.7	3	33 47,38	3,351	9,0616	,2361	,5252	8,9755
2226	Crucis	6·7	2	34 5,90	3,356	—9,0639	—8,2427	+0,5258	+8,9789
2227	———	7	3	34 19,78	3,390	9,0953	,2775	,5302	9,0240
2228	Centauri	7	2	34 44,43	3,233	8,9305	,1177	,5096	8,7325
2229	———	7	3	35 12,23	3,223	8,9154	,1102	,5083	8,6934
2230	———	7	3	35 20,69	3,215	8,9080	,1027	,5072	8,6719
2231	Crucis	7.8	3	35 27,89	3,380	—9,0760	—8,2716	+0,5289	+8,9967
2232	Centauri	7.8	3	35 39,30	3,347	9,0415	,2395	,5247	8,9451
2233	———	8	2	35 52,30	3,334	9,0282	,2879	,5230	8,9242
2234	Crucis	7.8	3	35 52,05	3,419	9,1094	,3099	,5339	9,0435
2235	———	6.7	3	36 17,24	3,437	9,1212	,3274	,5362	9,0593
2236	Centauri	7.8	3	37 1,70	3,362	—9,0465	—8,2607	+0,5266	+8,9532
2237	O¹ ———	6.7	3	37 14,18	3,386	9,0664	,2838	,5297	8,9831
2238	———	8.9	3	37 50,19	3,300	8,9795	,2039	,5185	8,8396
2239	Crucis	7.8	3	38 15,52	3,443	9,1089	,3379	,5369	9,0430
2240	———	8	3	38 43,69	3,441	9,1030	,3374	,5367	9,0351
2241	Centauri	7.8	3	39 25,69	3,289	—8,9595	—8,2021	+0,5171	+8,8002
2242	Hydræ	6.7	3	39 55,35	3,185	8,8664	,1142	,5031	8,5197
2243	Centauri	7	3	40 34,16	3,376	9,0327	,2878	,5284	8,9323
2244	———	7.8	3	40 35,89	3,266	8,9323	,1874	,5140	8,7398
2245	Muscae	7.8	3	40 43,03	3,511	9,1425	,3990	,5454	9,0876
2246	Crucis	7.8	3	40 47,58	3,473	—9,1121	—8,3701	+0,5407	+9,0476
2247	———	7.8	3	41 21,48	3,444	9,0843	,3480	,5371	9,0095
2248	Centauri	7.8	3	41 29,85	3,322	8,9779	,2431	,5214	8,8376
2249	Crucis	—	—	41	3,487	9,1145	,3839	,5424	9,0510
2250	———	6	3	41 52,43	3,482	9,1108	,3802	,5418	9,0461

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	b'	c'	d'		M.C.	T.	
	° ′ ″	″						s.	s	″
2206	51 32 3,95	−19,896	+9,2455	+9,8908	−1,2988	+9,0797	4112	− 2,53	—	+ 2,94
2207	49 27 7,85	19,890	,2765	,8776	,2986	,0890	4114	− 3,54	—	+ 3,34
2208	38 26 35,52	19,889	,4216	,7905	,2986	,0900	4115	− 2,61	—	+ 1,56
2209	57 12 24,61	19,884	,1139	,9213	,2985	,0981	4117	− 1,74	—	− 9,82
2210	56 59 3,48	19,880	,1139	,9202	,2984	,1020	4118	− 2,72	—	− 7,42
2211	55 3 2,11	19,877	+9,1553	+9,9102	−1,2983	+9,1070	4122	− 2,48	—	−11,41
2212	46 13 59,47	19,872	,3160	,8552	,2982	,1118	4127	− 2,50	—	+ 8,27
2213	38 30 38,16	19,866	,4099	,7907	,2981	,1195	4130	− 2,17	—	+ 1,49
2214	29 32	19,861	,4938	,6893	,2980	,1271	4133	—	—	—
2215	28 39 18,05	19,857	,4997	,6772	,2979	,1317	4134	− 1,50	—	+ 9,25
2216	43 13 14,74	19,838	+9,3404	+9,8314	−1,2975	+9,1524	4144	− 2,15	—	+ 2,80
2217	27 1 41,78	19,834	,5079	,6533	,2974	,1560	4149	− 2,81	—	− 2,60
2218	58 48 17,72	19,833	,0086	,9278	,2974	,1577	4148	− 2,68	− 2,29	+ 5,06
2219	58 48	19,831	,0086	,9277	,2973	,1594	4152	—	—	—
2220	53 52 53,62	19,830	,1430	,9029	,2973	,1612	4153	− 3,04	—	− 0,80
2221	46 43 35,03	19,827	+9,2810	+9,8577	−1,2973	+9,1629	4155	+ 3,99	—	+ 2,58
2222	60 8 23,26	19,827	8,9542	,9336	,2973	,1629	4154	− 2,33	—	+ 5,05
2223	53 39 32,26	19,821	9,1399	,9014	,2972	,1680	4158	− 4,31	—	− 0,23
2224	47 55 55,65	19,821	9,2577	,8660	,2971	,1697	4161	− 1,72	− 2,36	+ 2,45
2225	55 4 7,78	19,821	9,1038	,9091	,2971	,1697	4160	− 2,73	− 1,34	− 4,29
2226	55 17 54,11	19,817	+9,0934	+9,9101	−1,2970	+9,1739	4163	− 2,77	− 2,30	− 6,37
2227	58 1 23,42	19,813	,0086	,9237	,2969	,1772	4164	− 2,32	—	+ 3,88
2228	39 17 55,45	19,813	,3820	,7970	,2969	,1822	4165	—	—	− 2,04
2229	36 49 14,14	19,802	,4065	,7727	,2967	,1895	4167	− 1,78	—	− 4,92
2230	35 28 20,18	19,801	,4216	,7587	,2967	,1895	4169	—	—	− 5,39
2231	56 24 29,65	19,799	+9,0453	+9,9155	−1,2966	+9,1903	4171	− 2,75	—	+ 1,32
2232	53 12 26,08	19,796	9,1303	,8983	,2966	,1927	4173	− 2,13	—	+ 0,76
2233	51 52 41,28	19,794	9,1614	,8906	,2965	,1943	4175	− 7,65	—	+ 3,43
2234	59 11 42,57	19,793	8,9395	,9286	,2965	,1951	4176	− 2,55	—	+ 6,03
2235	60 6 7,15	19,787	8,8921	,9326	,2964	,2007	4178	− 2,42	− 3,15	− 2,03
2236	53 44 4,49	19,778	+9,1038	+9,9009	−1,2962	+9,2084	4180	− 4,86	—	+ 3,08
2237	55 36 43,60	19,774	9,0453	,9109	,2961	,2115	4182	− 2,36	− 2,20	− 1,98
2238	46 24 13,70	19,766	9,2528	,8541	,2959	,2184	4185	− 2,98	—	− 1,24
2239	59 12 18,52	19,759	8,8921	,9280	,2958	,2229	4186	− 1,59	—	− 4,13
2240	58 43 0,90	19,753	8,9031	,9258	,2956	,2280	4192	− 4,01	—	+1,59,40
2241	43 50 34,70	19,752	+9,2878	+9,8342	−1,2954	+9,2361	4196	− 3,13	—	+ 6,13
2242	26 43 11,78	19,734	9,4914	,6467	,2952	,2411	4198	− 1,64	—	− 0,37
2243	52 29 15,74	19,725	9,0934	,8926	,2950	,2482	4201	− 2,49	—	− 2,06
2244	39 54 11,22	19,725	9,3404	,8005	,2950	,2482	4202	− 2,80	—	− 3,14
2245	61 46 5,06	19,722	8,6812	,9382	,2950	,2496	4203	− 1,41	—	+ 2,69
2246	59 31 33,10	19,720	+8,8195	+9,9285	−1,2949	+9,2510	4204	− 2,07	—	− 0,58
2247	57 17 40,33	19,712	8,9138	,9179	,2947	,2565	4206	− 1,06	—	− 0,08
2248	46 20 51,08	19,710	9,2253	,8525	,2947	,2579	4207	− 2,89	—	+ 3,97
2249	59 47	19,704	8,7781	,9291	,2945	,2620	4208	—	—	—
2250	59 27 22,49	19,703	8,7993	,9279	,2945	,2620	4209	− 2,54	− 2,94	+ 0,27

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
2251	Centauri	7	3	12 41 51,66	+ 3,379	—9,0266	—8,2959	+0,5288	+8,9297
2252	———	7	3	43 6,72	3,340	8,9844	,2662	,5237	8,8502
2253	———	7	3	43 9,77	3,270	8,9246	,2071	,5145	8,7219
2254	———	6.7	3	43 25,91	3,191	8,8620	,1466	,5039	8,5023
2255	———	8	3	43 40,62	3,390	9,0235	,3115	,5302	8,9181
2256	Centauri	7	3	43 51,57	3,421	—9,0477	—8,3370	+0,5341	+8,9552
2257	Crucis	8	1	43 53,83	3,506	9,1138	,4031	,5448	9,0[illegible]
2258	———	7.8	3	43 53,09	3,502	9,1101	,4001	,5443	9,0[illegible]
2259	Centauri	6	3	44 5,97	3,354	8,9911	,2831	,5256	8,[illegible]
2260	Crucis	7	2	44 9,15	3,495	9,1104	,4038	,5434	9,0[illegible]
2261	Crucis	7	1	44 19,46	3,507	—9,1106	—8,4053	+0,5449	+9,0[illegible]
2262	———	—	—	44	3,513	9,1136	,4096	,5457	9,0501
2263	———	8.9	3	44 30,62	3,508	9,1099	,4059	,5451	9,0431
2264	Centauri	8	3	44 41,24	3,304	8,9460	,2440	,5190	8,7735
2265	Crucis	7	3	44 57,47	3,479	9,0862	,3856	,5414	9,0127
2266	Centauri	8	3	45 4,97	3,387	—9,0120	—8,3139	+0,5298	+8,8995
2267	———	5	3	45 14,95	3,463	9,0715	,3748	,5394	8,9918
2268	———	6.7	3	45 16,24	3,463	9,0715	,3748	,5394	8,991[illegible]
2269	———	6	3	46 5,62	3,321	8,9530	,2647	,5213	8,7862
2270	———	7	2	46 34,93	3,470	9,0672	,3834	,5403	8,9853
2271	Centauri	10	1	46 58,92	3,454	—9,0530	—8,3729	+0,5383	+8,9646
2272	———	10	1	47 22,13	3,460	9,0552	,3783	,5391	8,9682
2273	———	7	3	47 36,80	3,363	8,9794	,3050	,5267	8,8426
2274	———	7	3	47 54,14	3,404	9,0094	,3381	,5320	8,8958
2275	Hydræ	7	1	47 54,59	3,202	8,8592	,1885	,5054	8,4951
2276	Centauri	7	2	48 51,59	3,449	—9,0380	—8,3753	+0,5377	+8,9428
2277	———	7.8	3	49 7,43	3,366	8,9738	,3142	,5271	8,8324
2278	———	7	2	49 10,91	3,292	8,9177	,2580	,5175	8,7078
2279	———	8	3	49 14,13	3,417	9,0117	,3527	,5336	8,9002
2280	———	7	2	49 53,27	3,274	8,9024	,2494	,5151	8,6657
2281	Centauri	7	3	50 1,87	3,297	—8,9184	—8,2666	+0,5181	+8,7103
2282	———	—	—	50	3,487	9,0554	,4065	,5424	8,9691
2283	———	—	—	50	3,551	9,0982	,4499	,5503	9,0301
2284	———	8	1	50 23,40	3,488	9,0555	,4072	,5426	8,9693
2285	———	—	—	50	3,566	9,1082	,4599	,5522	9,0436
2286	Centauri	8	2	50 32,06	3,465	—9,0391	—8,3920	+0,5397	+8,9445
2287	———	8	2	51 4,22	3,322	8,9322	,2892	,5214	8,7452
2288	———	7	2	51 7,94	3,395	8,9854	,3430	,5308	8,8549
2289	———	7	3	51 14,54	3,279	8,9014	,2601	,5157	8,6637
2290	———	8	3	53 3,33	3,599	9,1118	,4860	,5562	9,0489
2291	Centauri	—	—	53	3,579	—9,0989	—8,4737	+0,5538	+9,0315
2292	———	7.8	3	53 43,68	3,228	8,8638	,2397	,5089	8,5275
2293	———	8	3	54 4,88	3,530	9,0620	,4451	,5478	8,9796
2294	———	6	3	54 20,46	3,427	8,9919	,3772	,5349	8,8677
2295	———	7.8	3	54 49,61	3,335	8,9271	,3163	,5231	8,7658

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of a'	b'	c'	d'	Difference from the Brisbane Catalogue. No.	Right Ascension from M. C.	T.	Declin.
	° ′ ″	″						s.	s.	′
2251	51 54 49,01	—19,704	+9,0934	+9,8888	—1,2946	+9,2620	4210	— 2,82	— 3,07	— 0,95
2252	47 13 20,45	19,684	9,1959	,8581	,2941	,2740	4216	— 3,39	—	+ 2,23
2253	38 48 23,23	19,683	9,3424	,7895	,2941	,2747	4217	— 2,10	—	+ 4,82
2254	25 52 4,85	19,680	9,4885	,6324	,2940	,2767	4219	— 2,52	—	+ 1,34
2255	51 39 31,85	19,674	9,0792	,8866	,2939	,2799	4220	— 2,65	—	— 2,21
2256	54 4 51,71	19,672	+8,9956	+9,9004	—1,2938	+9,2812	4222	— 2,78	—	— 0,81
2257	59 44 13,18	19,672	8,7324	,9284	,2938	,2812	4221	—	— 3,82	+ 3,82
2258	59 27 26,81	19,671	8,7404	,9271	,2938	,2819	4223	— 2,36	— 1,62	— 3,91
2259	48 4 11,06	19,667	9,1673	,8636	,2937	,2838	4225	— 0,59	— 0,76	+ 5,36
2260	59 29 8,62	19,665	8,7634	,9272	,2937	,2851	4224	— 2,93	—	— 2,68
2261	59 30 17,60	19,663	+8,7243	+9,9272	—1,2936	+9,2864	4227	— 2,04	—	+ 0,08
2262	59 44	19,661	8,6990	,9282	,2936	,2877	4229	—	—	—
2263	59 27 53,73	19,661	8,7243	,9269	,2936	,2877	4231	— 2,01	—	— 3,11
2264	42 12 17,25	19,657	9,2787	,8191	,2935	,2896	4233	— 2,85	—	— 4,38
2265	57 33 33,56	19,655	8,8325	,9180	,2935	,2909	4234	— 2,55	—	— 1,75
2266	50 29 47,38	19,650	+9,0934	+9,8790	—1,2934	+9,2934	4235	— 2,14	—	— 1,81
2267	56 18 24,71	19,648	8,8865	,9117	,2933	,2947	4237	— 2,60	— 3,61	+ 0,43
2268	56 17 51,81	19,648	8,8865	,9117	,2933	,2947	4238	— 2,02	— 2,98	+ 1,23
2269	43 16 16,90	19,633	9,2504	,8273	,2930	,3027	4240	— 1,83	—	— 1,59
2270	55 58 1,06	19,625	8,8751	,9094	,2928	,3070	4244	— 2,75	— 2,11	— 3,87
2271	54 41 35,30	19,617	+8,9243	+9,9026	—1,2926	+9,3107	4246	— 2,62	—	— 3,41
2272	54 44	19,612	8,9031	,9036	,2925	,3137	4248	— 6,74	—	—
2273	46 49 2,90	19,607	9,1643	,8535	,2924	,3161	4251	— 2,09	—	+ 0,42
2274	50 19 52,46	19,601	9,0682	,8768	,2923	,3191	4254	— 3,00	— 2,34	— 4,51
2275	25 35 26,47	19,601	9,4786	,6262	,2923	,3197	4255	—	—	+ 3,95
2276	53 19 4,57	19,584	+8,9494	+9,8943	—1,2919	+9,3273	4258	— 3,87	—	— 0,78
2277	46 11 49,09	19,577	9,1643	,8485	,2917	,3302	4262	— 1,79	—	+ 4,71
2278	38 2 58,64	19,577	9,3222	,7800	,2917	,3302	4263	— 2,93	—	+ 0,35
2279	50 38 36,22	19,576	9,0374	,8782	,2917	,3307	4264	— 1,10	—	— 3,05
2280	35 24 35,04	19,565	9,3579	,7528	,2915	,3365	4266	—	—	— 4,26
2281	38 14 17,15	19,561	+9,3139	+9,7814	—1,2914	+9,3376	4267	— 1,73	—	+ 1,90
2282	55 1	19,555	8,8451	,9030	,2912	,3404	4268	—	—	—
2283	58 43	19,554	8,5798	,9212	,2912	,3410	4270	—	—	—
2284	55 2 56,66	19,554	8,8325	,9031	,2912	,3410	4271	— 1,47	—	— 3,00
2285	59 30	19,554	8,4914	,9248	,2912	,3410	4272	—	—	—
2286	53 30 41,29	19,551	+8,9085	+9,8946	—1,2912	+9,3421	4273	— 1,58	—	— 7,88
2287	40 31 32,67	19,542	9,2695	,8020	,2910	,3460	4278	— 1,88	—	— 0,60
2288	47 44 16,74	19,540	9,1072	,8585	,2909	,3466	4279	— 2,52	—	— 0,99
2289	35 19 1,16	19,538	9,3522	,7513	,2909	,3477	4282	— 1,73	—	— 6,16
2290	59 52 51,43	19,502	8,2787	,9252	,2901	,3624	4291	— 3,51	—	— 2,72
2291	58 52	19,501	+8,4314	+9,9227	—1,2900	+9,3629	4292	—	—	—
2292	27 25 26,30	19,498	9,4440	,6517	,2900	,3639	4295	—31,96	—	— 3,33
2293	55 46 59,17	19,481	8,6990	,9053	,2896	,3708	4296	— 2,63	—	+ 0,61
2294	48 39 48,57	19,475	9,0374	,8633	,2895	,3729	4299	— 1,97	— 2,03	+ 7,52
2295	39 59 22,61	19,465	9,2528	,7956	,2893	,3765	4300	— 2,30	—	— 1,87

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	S.				
2296	Centauri	7.8	3	12 55 18,34	+ 3,415	—8,9797	—8,3727	+0,5334	+8,8[illegible]
2297	——	8	3	55 42,11	3,455	9,0046	,4008	,5384	8,8[illegible]
2298	——	7	3	55 49,15	3,343	8,9289	,3262	,5241	8,740[illegible]
2299	——	7	2	55 56,65	3,407	8,9712	,3695	,5324	8,830[illegible]
2300	——	7	3	56 9,71	3,474	9,0144	,4144	,5408	8,906[illegible]
2301	Centauri	7	2	56 42,94	3,533	—9,0494	—8,4637	+0,5481	+8,961[illegible]
2302	——	6	3	57 2,72	3,431	8,9816	,3885	,5354	8,850[illegible]
2303	——	7	3	57 36,18	3,624	9,0985	,5101	,5592	9,031[illegible]
2304	——	6	3	57 33,40	3,355	8,9305	,3416	,5257	8,746[illegible]
2305	——	6.7	3	58 1,38	3,304	8,8965	,3113	,5190	8,[illegible]
2306	Centauri	8	2	58 1,49	3,499	—9,0201	—8,4359	+0,5439	+8,9[illegible]
2307	——	7	2	58 10,70	3,509	9,0265	,4423	,5452	8,92[illegible]
2308	——	7	3	58 23,71	3,561	9,0570	,4738	,5513	8,973[illegible]
2309	——	7	2	59 29,77	3,311	8,8969	,3229	,5200	8,658[illegible]
2310	——	7.8	3	13 0 10,18	3,450	8,9806	,4117	,5378	8,849[illegible]
2311	Virginis	7.8	3	1 13,79	3,167	—8,8246	—8,2636	+0,5006	+8,250[illegible]
2312	Centauri	7.8	3	1 19,68	3,524	9,0195	,4598	,5469	8,916[illegible]
2313	——	7.8	3	1 29,46	3,519	9,0160	,4571	,5464	8,911[illegible]
2314	——	8	2	1 38,91	3,617	9,0707	,5146	,5583	8,9938
2315	——	7.8	2	1 52,63	3,601	9,0611	,5055	,5564	8,9801
2316	Centauri	7	3	2 4,09	3,384	—8,9325	—8,3775	+0,5294	+8,7030
2317	——	6	3	2 22,17	3,671	9,0969	,5448	,5648	9,0304
2318	——	9	2	2 27,27	3,661	9,0923	,5406	,5636	9,0242
2319	——	9	2	2 35,05	3,687	9,1049	,5538	,5667	9,0413
2320	——	7	2	2 42,96	3,488	8,9924	,4422	,5426	8,8717
2321	Centauri	7	3	2 58,55	3,243	—8,8526	—8,3029	+0,5109	+8,4903
2322	——	7	2	2 59,40	3,673	9,0951	,5469	,5650	9,0281
2323	——	7	2	3 56,97	3,506	8,9974	,4563	,5448	8,8808
2324	——	8	2	4 13,11	3,268	8,8617	,3225	,5143	8,5373
2325	——	7.8	2	4 19,45	3,659	9,0806	,5419	,5634	9,0084
2326	Centauri	6	3	4 23,98	3,669	—9,0854	—8,5477	+0,5645	+9,0151
2327	——	7.8	3	4 39,54	3,433	8,9520	,4166	,5357	8,7966
2328	——	7.8	2	4 49,76	3,409	8,9373	,4023	,5326	8,7654
2329	——	6.7	3	5 21,14	3,489	8,9815	,4503	,5427	8,8535
2330	——	7.8	2	6 16,60	3,640	9,0604	,5357	,5611	8,9802
2331	Centauri	—	—	6	3,711	—9,0964	—8,5722	+0,5695	+9,0305
2332	——	8	3	6 37,68	3,553	9,0120	,4896	,5506	8,9061
2333	——	7.8	3	7 59,29	3,435	8,9414	,4281	,5359	8,7766
2334	——	8	3	8 3,41	3,292	8,8658	,3534	,5175	8,5617
2335	——	8	2	8 21,79	3,487	8,9685	,4579	,5424	8,8310
2336	Centauri	7.8	2	8 24,36	3,663	—9,0620	—8,5519	+0,5638	+8,9831
2337	——	—	—	8	3,480	8,9638	,4550	,5416	8,8222
2338	——	7	3	8 50,06	3,440	8,9414	,4339	,5366	8,7771
2339	——	7.8	3	9 0,69	3,550	8,9999	,4938	,5502	8,8871
2340	Virginis	7	3	9 2,60	3,173	8,8181	,3142	,5015	8,2235

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue			
			a'	b'	c'	d'	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2296	47 16 18,49	—19,455	+9,0719	+9,8534	—1,2890	+9,3801	4304	— 2,47	—	+ 0,20
2297	50 10 50,18	19,448	8,9638	,8725	,2889	,3832	4308	— 2,24	—	— 3,40
2298	40 20 11,06	19,444	9,2405	,7982	,2888	,3842	4310	— 2,23	—	— 6,42
2299	46 15 16,44	19,442	9,0969	,8458	,2887	,3852	4311	— 2,18	—	+ 1,46
2300	51 15 21,17	19,437	8,9085	,8789	,2886	,3867	4312	— 3,54	—	— 8,12
2301	54 45 11,40	19,426	+8,6902	+9,8987	—1,2884	+9,3907	4314	— 3,03	—	— 4,23
2302	47 36 9,09	19,419	9,0374	,8548	,2882	,3932	4316	— 2,62	— 2,60	+ 1,86
2303	59 0 4,29	19,406	7,9542	,9192	,2879	,3976	4319	— 2,96	—	+ 2,01
2304	40 43 45,30	19,407	9,2201	,8008	,2880	,3971	4320	— 1,41	— 2,28	— 9,22
2305	35 0 4,44	19,397	9,3243	,7448	,2877	,4005	4324	— 1,60	— 2,08	— 5,31
2306	51 53 30,55	19,394	+8,8325	+9,8822	—1,2877	+9,4015	4326	—	+ 6,66	+4,4,24
2307	52 36 2,31	19,394	8,7993	,8860	,2877	,4015	4325	— 2,62	— 1,18	+ 2,08
2308	55 31 40,87	19,391	8,5798	,9020	,2876	,4025	4329	— 1,70	—	— 5,86
2309	35 22 9,44	19,364	9,3117	,7462	,2870	,4111	4333	— 3,08	—	—10,6,70
2310	47 40 7,07	19,349	8,9956	,8537	,2867	,4158	4336	— 2,85	—	— 1,26
2311	15 39 38,85	19,325	+9,5403	+9,4161	—1,2861	+9,4232	4343	— 1,86	—	— 1,31
2312	52 8 12,79	19,320	8,7559	,8811	,2860	,4246	4345	+ 3,50	—	— 2,50
2313	51 42 43,24	19,318	8,7781	,8790	,2860	,4251	4346	— 2,03	— 2,75	— 2,06
2314	56 53 17,38	19,309	8,1139	,9070	,2858	,4278	4347	—	+10,41	+ 0,78
2315	56 3 19,73	19,307	8,3010	,9028	,2857	,4283	4350	+ 2,40	— 1,05	— 3,52
2316	41 22 39,47	19,306	+9,1732	+9,8042	—1,2857	+9,4287	4351	— 2,86	—	+ 2,10
2317	59 3 58,69	19,297	—7,9542	,9171	,2855	,4314	4354	— 2,42	— 2,92	+ 0,31
2318	58 43 18,55	19,298	—7,7781	,9154	,2855	,4319	4355	—	— 7,39	—54,15
2319	59 42 29.70	19,294	—8,1761	,9198	,2854	,4323	4356	— 4,48	—	— 0,57
2320	49 12 45,54	19,290	+8,8921	,8627	,2853	,4332	4358	— 2,17	—	— 0,30
2321	25 41 56,39	19,289	+9,4362	+9,6210	—1,2853	+9,4337	4359	—12,64	—	— 0,09
2322	58 57 32,67	19,284	—7,9542	,9163	,2852	,4350	4360	— 4,16	—	+ 0,67
2323	49 50 54,33	19,260	+8,8388	,8661	,2846	,4417	4363	— 2,78	— 1,63	— 1,82
2324	28 14 50,39	19,254	+9,3997	,6582	,2845	,4434	4365	— 1,59	—	+ 4,60
2325	57 49 54,82	19,252	—7,6021	,9103	,2845	,4438	4364	— 1,18	—	+ 0,67
2326	58 14 40,56	19,249	—7,9542	+9,9123	—1,2844	+9,4447	4370	— 0,99	— 1,23	+ 0,40
2327	44 19 47,41	19,240	+9,0569	,8269	,2842	,4469	4372	— 1,54	—	+ 5,43
2328	42 17 22,84	19,239	+9,1206	,8104	,2842	,4473	4373	— 2,41	—	— 0,15
2329	48 6 6,76	19,226	+8,9031	,8539	,2839	,4508	4374	— 2,54	— 3,12	+ 4,16
2330	56 12 46,63	19,203	+7,4771	,9012	,2834	,4567	4378	— 1,83	—	— 2,05
2331	59 13	19,201	—8,3802	+9,9155	—1,2833	+9,4572	4379	—	—	—
2332	51 33 55,78	19,194	+8,6532	,8754	,2832	,4588	4381	— 2,93	—	+ 0,77
2333	43 7 52,66	19,160	+9,0645	,8156	,2824	,4672	4385	— 1,86	—	+ 2,65
2334	29 44 43,77	19,157	+9,3636	,6763	,2823	,4680	4387	— 0,90	—	— 1,41
2335	46 44 36,01	19,150	+8,9138	,8427	,2822	,4700	4389	— 2,51	—	+ 0,43
2336	56 27 14,64	19,148	—7,7781	+9,9012	—1,2821	+9,4700	4388	— 2,82	—	— 1,40
2337	46 10	19,143	+8,9345	,8385	,2820	,4713	4391	—	—	—
2338	43 12 28,85	19,138	+9,0531	,8156	,2819	,4725	4393	— 1,39	—	+ 1,51
2339	50 26 25,91	19,132	+8,6628	,8670	,2818	,4737	4394	— 1,76	—	— 4,81
2340	14 42 0,07	19,124	+9,5366	,3860	,2816	,4757	4396	— 2,09	—	— 0,50

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. s.	s.				
2341	Centauri	8	2	13 9 13,02	+3,528	—8,9872	—8,4829	+0,5475	+8,8654
2342	——	8.9	2	9 27,20	3,719	9,0846	,5815	,5704	9,0159
2343	——	7	3	10 28,04	3,742	9,0904	,5940	,5731	9,0233
2344	——	7	2	10 52,10	3,415	8,9207	,4269	,5334	8,7321
2345	——	7	2	10 56,62	3,651	9,0438	,5504	,5624	8,9571
2346	Centauri	7	3	10 57,18	3,589	—9,0126	—8,5192	+0,5550	+8,9088
2347	——	6.7	3	11 34,37	3,495	8,9610	,4715	,5434	8,8184
2348	——	7.8	3	11 55,48	3,767	9,0948	,6079	,5760	9,0295
2349	——	8	3	11 57,50	3,650	9,0391	,5522	,5623	8,9503
2350	Z¹ ——	7.8	3	12 19,42	3,793	9,1047	,6204	,5790	9,0429
2351	Centauri	7.8	2	12 19,55	3,572	—8,9979	—8,5136	+0,5529	+8,8851
2352	Z² ——	7	2	12 21,67	3,794	9,1049	,6210	,5791	9,0432
2353	——	7	2	12 35,56	3,591	9,0062	,5235	,5552	8,8989
2354	——	8	2	12 50,59	3,395	8,9051	,4237	,5308	8,6948
2355	——	7.8	3	13 22,75	3,522	8,9684	,4904	,5468	8,8335
2356	Centauri	—	—	13	3,695	—9,0542	—8,5767	+0,5676	+8,9732
2357	——	7	2	13 31,53	3,533	8,9734	,4963	,5481	8,8428
2358	——	7.8	2	14 13,68	3,411	8,9089	,4364	,5329	8,7061
2359	——	7	3	14 17,68	3,559	8,9837	,5116	,5513	8,8616
2360	——	8.9	3	14 23,18	3,527	8,9674	,4958	,5474	8,8321
2361	Centauri	7.8	2	14 32,71	3,640	—9,0227	—8,5523	+0,5611	+8,9261
2362	——	—	—	14	3,640	9,0226	,5521	,5611	8,9259
2363	——	7.8	3	14 43,84	3,599	9,0020	,5324	,5562	8,8929
2364	——	7.8	2	14 47,09	3,640	9,0218	,5525	,5611	8,9247
2365	——	7.8	3	14 55,20	3,594	8,9984	,5307	,5556	8,8871
2366	Centauri	7.8	3	15 15,63	3,396	—8,8988	—8,4325	+0,5310	+8,6805
2367	——	7.8	2	15 29,71	3,604	9,0012	,5365	,5568	8,8919
2368	——	7.8	3	15 37,90	3,606	9,0016	,5377	,5570	8,8926
2369	——	7.8	2	15 47,90	3,356	8,8784	,4154	,5258	8,6201
2370	——	8	2	16 13,51	3,537	8,9656	,5055	,5486	8,8299
2371	Centauri	7.8	3	16 20,11	3,603	—8,9972	—8,5379	+0,5567	+8,8857
2372	——	—	—	16	3,556	8,9732	,5159	,5510	8,8440
2373	——	9	2	16 52,00	3,892	9,1248	,6688	,5902	9,0701
2374	——	7	2	16 55,24	3,369	8,8816	,4259	,5275	8,6321
2375	——	9	3	17 15,52	3,535	8,9609	,5069	,5484	8,8216
2376	Centauri	—	—	17	3,536	—8,9608	—8,5076	+0,5485	+8,8215
2377	——	7	2	17 25,55	3,359	8,8759	,4230	,5262	8,6143
2378	——	7	2	17 29,68	3,567	8,9757	,5233	,5523	8,8491
2379	——	8	2	17 35,79	3,847	9,1027	,6510	,5851	9,0413
2380	——	6	1	17 39,27	3,451	8,9185	,4668	,5379	8,7327
2381	——	8	1	17 42,62	3,573	—8,9777	—8,5265	+0,5530	+8,8528
2382	——	8	2	18 21,99	3,709	9,0389	,5916	,5693	8,9521
2383	——	9	2	18 39,35	3,852	9,1002	,6546	,5857	9,0383
2384	——	8	1	18 55,44	3,374	8,9733	,5300	,5531	8,8455
2385	Hydræ	7	2	19 13,37	3,286	8,8421	,4000	,5167	8,4777

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	b'	c'	d'	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
2341	49 1 54,98	—19,126	+8,7708	+9,8584	—1,2821	+9,4753	4397	— 1,62	—	+ 3,45
2342	58 23 48,80	19,121	—8,4472	,9100	,2815	,4765	4399	— 1,99	—	+ 5,24
2343	58 55 41,49	19,094	—8,5563	,9118	,2809	,4825	4408	— 3,43	—	+ 0,17
2344	40 20 54,42	19,084	+9,1238	,7901	,2807	,4849	4412	— 2,15	—	— 1,06
2345	54 57 37,74	19,082	—7,0000	,8920	,2806	,4853	4413	— 2,47	—	— 8,27
2346	51 54 13,21	19,082	+8,4314	+9,8748	—1,2806	+9,4854	4414	— 1,98	— 2,33	— 3,36
2347	46 2 14,47	19,066	+8,8976	,8357	,2803	,4888	4416	— 2,50	—	+ 5,84
2348	59 20 34,90	19,055	—8,6628	,9128	,2800	,4911	4418	— 1,12	—	— 2,74
2349	54 34 33,82	19,053	—7,3010	,8893	,2800	,4911	4419	— 1,63	—	— 5,96
2350	60 7 54,43	19,044	—8,7324	,9160	,2797	,4935	4420	— 2,98	— 1,65	—11,20
2351	50 26 27,36	19,044	+8,5563	+9,8650	—1,2797	+9,4935	4422	— 0,87	—	+ 1,34
2362	60 8 52,58	19,042	—8,7324	,9160	,2797	,4938	4421	— 1,54	— 0,26	— 5,10
2353	51 20 30,59	19,037	+8,4314	,8704	,2796	,4950	4425	— 2,39	—	+ 0,22
2354	38 0 37,36	19,031	+9,1734	,7672	,2795	,4961	4426	— 3,26	—	— 0,96
2355	47 6 12,95	19,016	+8,8062	,8423	,2791	,4992	4429	— 2,72	—	+ 0,03
2356	56 2	19,013	—8,3040	+9,8960	—1,2790	+9,4996	4430	—	—	—
2357	47 43 20,46	19,011	+8,7634	,8465	,2790	,5000	4431	— 2,73	—	+ 2,46
2358	38 47 13,39	18,992	9,1399	,7738	,2786	,5041	4433	— 1,79	—	+ 5,64
2359	48 58 54,84	18,991	8,6434	,8545	,2785	,5045	4434	— 2,45	—	+ 1,67
2360	47 3 2,94	18,987	8,7924	,8413	,2785	,5049	4436	— 2,01	—	— 0,58
2361	53 9 37,63	18,983	+7,4771	+9,8798	—1,2784	+9,5060	4439	— 2,58	—	+ 0,88
2362	53 8	18,971	7,4771	,8797	,2784	,5060	4440	—	—	—
2363	51 2 16,28	18,979	8,3617	,8673	,2783	,5067	4441	— 2,75	—	— 1,44
2364	53 4 34,91	18,978	7,6021	,8792	,2782	,5071	4442	— 3,54	—	+ 0,51
2365	50 39 58,32	18,972	8,4150	,8648	,2781	,5082	4443	— 1,55	—	+ 0,23
2366	37 11 45,96	18,962	+9,1761	+9,7576	—1,2779	+9,5097	4444	— 2,82	—	— 1,06
2367	51 0 19,65	18,957	8,3424	,8665	,2778	,5112	4446	— 3,08	—	— 0,23
2368	51 3 8,14	18,953	8,3010	,8670	,2777	,5119	4447	— 2,62	—	— 3,73
2369	33 27 6,37	18,947	9,2601	,7174	,2776	,5126	4448	— 2,65	—	+ 7,20
2370	46 58 56,06	18,940	8,7559	,8396	,2773	,5152	4450	— 1,90	—	+ 1,93
2371	50 38 37,77	18,932	+8,3222	+9,8637	—1,2772	+9,5159	4452	— 1,86	—	— 3,02
2372	47 56	18,923	+8,6628	,8459	,2770	,5177	4455	—	—	—
2373	61 48 49,95	18,916	—8,9345	,9202	,2768	,5188	4456	— 2,95	—	— 2,40
2374	34 14 24,11	18,915	+9,2380	,7254	,2768	,5192	4459	— 1,98	—	— 2,32
2375	46 29 35,93	18,905	+8,7634	,8354	,2766	,5206	4462	— 3,84	—	—16,13
2376	46 29	18,903	+8,7634	+9,8353	—1,2765	+9,5213	4463	—	—	—
2377	33 10 0,17	18,901	+9,2577	,7130	,2765	,5217	4464	— 2,56	—	— 0,79
2378	48 18 29,26	18,899	+8,6021	,8478	,2764	,5221	4465	— 2,41	—	+ 3,29
2379	60 13 45,65	18,897	—8,8692	,9131	,2764	,5228	4466	— 2,01	—	— 7,33
2380	40 39 50,43	18,896	+9,0454	,7886	,2764	,5228	4467	— 2,20	—	— 4,54
2381	48 32 46,45	18,893	+8,5682	+9,8494	—1,2763	+9,5231	4468	— 1,85	—	+ 8,81
2382	54 56 47,97	18,874	—8,4150	,8871	,2759	,5267	4470	— 3,52	—	+ 1,14
2383	60 5 28,57	18,864	—8,8865	,9118	,2757	,5281	4471	— 4,99	—	— 7,68
2384	48 8 16,20	18,854	+8,5563	,8457	,2754	,5302	4473	+ 1,20	—	— 5,99
2385	25 34 13,55	18,848	+9,3874	,6090	,2753	,5313	4475	— 1,93	—	— 2,26

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
2386	K Centauri	6	3	13 19 39,44	+3,619	—8,9922	—8,5529	+0,5586	+8,8788
2387	——	7.8	3	19 43,35	3,297	8,8455	,4062	,5181	8,4966
2388	——	7	1	19 44,11	3,821	9,0817	,6431	,5822	9,0185
2389	——	7	2	19 47,25	3,521	8,9453	,5068	,5467	8,7928
2390	——	7	1	19 47,98	3,652	9,0070	,5685	,5625	8,9058
2391	Centauri	7.8	3	20 1,10	3,561	—8,9635	—8,5261	+0,5516	+8,8231
2392	——	—	—	20	3,375	8,8768	,4410	,5283	8,6217
2393	——	7.8	1	20 9,78	3,799	9,0707	,6346	,5797	8,9935
2394	——	9	2	20 36,86	3,513	8,9386	,5051	,5457	8,7796
2395	——	8	2	20 59,32	3,897	9,1075	,6760	,5907	9,0484
2396	Centauri	—	—	22	3,567	—8,9628	—8,5313	+0,5523	+8,8274
2397	——	8	2	21 52,50	3,933	9,1174	,6909	,5947	9,0615
2398	——	8.9	3	21 57,55	3,578	8,9644	,5383	,5536	8,8310
2399	——	—	—	22	3,500	8,9284	,5031	,5441	8,7591
2400	——	8	2	22 9,49	3,474	8,9160	,4911	,5408	8,7310
2401	Centauri	7.8	3	22 34,97	3,355	—8,8634	—8,4407	+0,5257	+8,5794
2402	Virginis.	7	3	22 44,48	3,174	8,8055	,3836	,5016	,1450
2403	Centauri	7	2	22 49,09	3,567	8,9567	,5355	,5523	,8170
2404	——	7	3	22 51,00	3,433	8,8959	,4747	,5357	,6813
2405	——	7.8	2	23 10,72	3,522	8,9350	,5158	,5468	,7740
2406	Centauri	—	—	23	3,578	—8,9603	—8,5419	+0,5536	+8,8242
2407	——	7	2	23 28,41	3,579	8,9602	,5429	,5538	,8241
2408	——	9	3	23 28,65	3,815	9,0632	,6459	,5815	,9889
2409	——	6·7	2	23 42,43	3,321	8,8477	,4315	,5213	,5176
2410	——	7.8	3	23 43,92	3,457	8,9045	,4886	,5387	,7048
2411	Hydræ	7	1	24 3,98	3,300	—8,8394	—8,4254	+0,5185	+8,4778
2412	Centauri	7.8	2	24 4,46	3,510	8,9270	,5131	,5453	8,7576
2413	——	7.8	3	24 5,18	3,858	9,0782	,6643	,5864	9,0099
2414	——	8	3	24 20,11	3,480	8,9127	,5002	,5416	8,7254
2415	——	7.8	3	24 24,55	3,969	9,1196	,7075	,5987	9,0648
2416	Centauri	7.8	3	24 30,21	3,461	—8,9039	—8,4923	+0,5392	+8,7042
2417	——	7	1	24 47,70	3,596	8,9633	,5535	,5558	8,8307
2418	——	(7.8)	1	24 59,90	3,647	8,9851	,5764	,5619	8,8693
2419	——	8	3	25 46,79	3,973	9,1145	,7107	,5991	9,0586
2420	——	7.8	3	25 54,86	3,608	8,9646	,5611	,5573	8,8337
2421	Centauri	—	—	25	3,611	—8,9659	—8,5626	+0,5576	+8,8362
2422	——	—	—	25	3,608	8,9645	,5617	,5573	8,8336
2423	——	7.8	1	26 14,42	3,846	9,0644	,6624	,5850	8,9914
2424	——	—	—	26	3,919	9,0918	,6909	,5932	9,0289
2425	——	6.7	1	26 26,49	3,954	9,1049	,7040	,5970	9,0463
2426	Centauri	8	2	26 28,41	3,617	—8,9667	—8,5661	+0,5583	+8,8379
2427	——	7	1	27 0,17	3,509	8,9180	,5200	,5452	,7408
2428	——	8	1	27 33,78	3,849	9,0600	,5643	,5853	,9856
2429	——	6.7	2	27 34,89	3,549	8,9296	,5349	,5489	,7662
2430	——	7	1	27 40,87	3,548	8,9199	,5260	,5463	,7468

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2386	60 20 4,01	—18,834	+8,1461	+9,8596	—1,2749	+9,5337	4476	— 1,63	— 1,42	— 2,30
2387	26 34 9,88	18,834	+9,3711	,6241	,2749	,5337	4480	— 1,57	—	+ 9,78
2388	58 41 47,49	18,830	—8,8325	,9048	,2749	,5344	4477	— 1,11	—	+ 1,09
2389	44 42 26,37	18,830	+8,8261	,8204	,2749	,5344	4481	— 1,55	—	— 1,88
2390	51 55 34,59	18,830	—7,4771	,8692	,2749	,5344	4478	— 3,32	—	+ 1,96
2391	47 2 38,00	18,824	+8,6532	+9,8374	—1,2747	+9,5354	4484	— 3,03	—	+ 2,56
2392	33 44	18,817	+9,2304	,7175	,2745	,5368	4486	—	—	—
2393	57 50 2,18	18,818	—8,7781	,9004	,2746	,5365	4485	— 1,96	—	— 2,68
2394	43 52 50,94	18,804	+8,8633	,8132	,2743	,5389	4489	— 0,08	—	+ 0,72
2395	60 45 16,69	18,794	—8,9590	,9130	,2740	,5406	4491	— 1,31	—	— 3,45
2396	47 3	18,794	+8,6232	+9,8367	—1,2740	+9,5406	4493	13,20	—	—
2397	61 30 57,24	18,768	—9,0043	,9156	,2734	,5450	4495	— 2,10	—	+ 0,46
2398	47 19 26,12	18,766	+8,5563	,8380	,2734	,5453	4498	— 1,70	—	— 0,46
2399	42 35	18,762	+8,9085	,8020	,2733	,5460	4501	—	—	—
2400	40 45 25,98	18,759	+8,9956	,7863	,2732	,5463	4503	— 2,62	—	— 0,43
2401	31 18 45,63	18,747	+9,2718	+9,6870	—1,2729	+9,5484	4509	— 3,15	—	— 5,17
2402	12 37 14,25	18,743	9,5391	,3113	,2728	,5490	4511	— 2,40	—	+ 7,88
2403	46 26 18,63	18,739	8,6232	,8311	,2727	,5497	4510	— 2,36	—	+ 2,04
2404	37 34 12,14	18,737	9,1072	,7563	,2727	,5497	4512	— 1,05	—	— 2,62
2405	43 37 20,05	18,727	8,8325	,8096	,2725	,5514	4514	— 1,82	—	— 2,06
2406	46 56	18,722	+8,5441	+9,8344	—1,2724	+9,5520	4516	—	—	—
2407	46 56 42,44	18,718	+8,5441	,8342	,2723	,5530	4518	— 1,33	—	+ 5,81
2408	57 24 8,00	18,718	—8,8261	,8960	,2723	,5530	4517	— 1,43	—	— 4,93
2409	27 51 53,01	18,712	+9,3365	,6401	,2721	,5540	4521	— 0,83	—	— 0,49
2410	39 8 42,69	18,712	+9,0453	,7705	,2721	,5543	4520	—	— 2,03	—1,2717
2411	25 45 43,36	18,700	+9,3711	+9,6084	—1,2718	+9,5560	4525	— 1,17	—	— 0,61
2412	42 35 47,66	18,700	+8,8751	,8006	,2718	,5560	4524	— 2,83	—	+ 2,09
2413	58 40 43,03	18,697	—8,9138	,9016	,2718	,5560	4522	— 1,82	—	+ 1,05
2414	40 29 40,55	18,691	+8,9823	,7824	,2716	,5573	4527	— 2,69	—	— 0,22
2415	61 48 21,05	18,689	—9,0531	,9149	,2716	,5576	4526	— 1,63	—	— 0,42
2416	39 7 14,12	18,687	+9,0374	+9,7699	—1,2715	+9,5579	4529	— 2,33	—	+ 2,52
2417	47 26 51,40	18,676	+8,4150	,8368	,2713	,5596	4532	— 1,71	—	+ 1,42
2418	49 58 8,10	18,670	+7,0000	,8535	,2711	,5605	4533	— 1,45	—	+ 0,33
2419	61 31 24,20	18,642	—9,0645	,9127	,2705	,5647	4535	+ 0,19	—	— 0,43
2420	47 41 43,18	18,640	+8,3010	,8377	,2704	,5650	4537	— 2,07	—	+ 2,48
2421	47 41	18,640	+8,2787	+9,8389	—1,2704	+9,5650	4536	—	—	—
2422	47 41	18,636	+8,3010	,8376	,2703	,5657	4538	—	—	—
2423	57 40 32,35	18,629	—8,8976	,8953	,2702	,5663	4539	— 3,16	—	+ 1,41
2424	59 52	18,625	—9,0043	,9053	,2701	,5673	4543	—	—	—
2425	60 51 56,87	18,623	—9,0492	,9095	,2701	,5673	4544	— 3,48	—	— 1,98
2426	47 58 44,67	18,623	+8,2041	+9,8393	—1,2700	+9,5676	4545	— 1,62	—	+15,66
2427	41 35 40,70	18,605	+8,8865	,7900	,2697	,5698	4547	— 3,66	—	— 1,31
2428	57 23 26,75	18,586	—8,9085	,8929	,2692	,5726	4549	— 1,81	—	—14,93
2429	43 19 20,87	18,586	+8,7708	,8039	,2692	,5726	4550	— 1,78	— 3,83	+ 0,35
2430	41 57 38,84	18,584	+8,8633	,7926	,2691	,5733	4553	— 1,70	—	+ 0,72

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
2431	Centauri	7	1	13 27 42,15	+ 3,856	—9,0623	—8,6683	+0,5861	+8,9[illegible]
2432	——	6.7	2	27 45,17	3,580	8,9464	,5528	,5539	,8[illegible]
2433	——	8.9	1	27 59,63	3,856	9,0608	,6687	,5861	,9[illegible]
2434	——	7.8	1	28 4,62	3,662	8,9809	,5892	,5637	,8[illegible]
2435	——	7	2	28 18,11	3,658	8,9786	,5879	,5632	,8[illegible]
2436	Centauri	7.8	2	28 25,78	3,839	—9,0525	—8,6625	+0,5842	+8,9[illegible]
2437	——	8	2	28 25,29	3,412	8,8733	,4837	,5330	,6[illegible]
2438	——	7.8	1	28 34,73	3,522	8,9192	,5299	,5468	,7[illegible]
2439	——	8	2	28 39,13	3,412	8,8731	,4845	,5330	,6[illegible]
2440	——	7.8	1	29 0,58	3,645	8,9705	,5838	,5617	,8[illegible]
2441	Centauri	—	—	29	3,752	—9,0139	—8,6290	+0,5743	+8,9[illegible]
2442	——	7.8	2	29 24,02	3,351	8,8482	,4633	,5252	,5[illegible]
2443	——	7.8	3	29 37,90	3,755	9,0139	,6304	,5746	,9[illegible]
2444	——	7.8	2	29 44,55	3,391	8,8627	,4795	,5303	,5[illegible]
2445	——	—	—	29	3,851	9,0514	,6693	,5856	,9[illegible]
2446	Centauri	7	2	30 9,58	3,662	—8,9737	—8,5931	+0,5637	+8,8[illegible]
2447	——	6.7	2	30 19,25	3,484	8,8983	,5184	,5421	,6[illegible]
2448	——	8	2	31 28,62	3,585	8,9371	,5636	,5545	,7[illegible]
2449	——	8	2	31 33,34	3,593	8,9404	,5672	,5555	,7[illegible]
2450	——	9	2	31 46,15	3,899	9,0617	,6899	,5909	,9[illegible]
2451	Centauri	7.8	3	31 48 43	4,008	—9,1016	—8,7298	+0,6029	+9,0[illegible]
2452	——	7.8	3	31 51,09	3,972	9,1036	,7322	,5990	9,0[illegible]
2453	——	7	3	31 57,18	3,586	8,9360	,5649	,5546	8,7[illegible]
2454	——	8.9	3	32 1,31	3,358	8,8457	,4749	,5261	8,5[illegible]
2455	——	8	3	32 22,35	4,013	9,1007	,7320	,6035	9,0[illegible]
2456	Centauri	7.8	3	32 29,05	3,548	—8,9188	—8,5505	+0,5500	+8,7474
2457	Hydræ	7.8	3	32 32,77	3,322	8,8328	,4645	,5214	,4707
2458	Centauri	7	3	32 31,98	3,848	9,0395	,6716	,5852	,9580
2459	——	7	2	32 56,06	3,698	8,9789	,6130	,5680	,8631
2460	——	7.8	3	33 13,63	3,569	8,9255	,5610	,5525	,7[illegible]
2461	Centauri	7.8	3	33 18,89	3,932	—9,0679	—8,7042	+0,5946	+8,9985
2462	——	8.9	2	33 23,79	3,933	9,0679	,7044	,5947	,9984
2463	——	6.7	3	33 27,38	3,523	8,9063	,5429	,5469	,7199
2464	——	8	3	33 28,00	3,536	8,9114	,5483	,5485	,7316
2465	——	—	—	33	3,526	8,9059	,5449	,5473	,7196
2466	Centauri	7.8	3	34 9,54	3,538	—8,9101	—8,5504	+0,5488	+8,7298
2467	——	8	2	34 10,77	3,597	8,9338	,5745	,5559	,7809
2468	——	7	3	34 16,15	3,712	8,9799	,6210	,5696	,8655
2469	——	7.8	1	34 24,54	3,508	8,8977	,5395	,5451	,7008
2470	——	8	3	35 4,63	3,914	9,0546	,6998	,5926	,9805
2471	Centauri	10	2	35 15,87	4,071	—9,1087	—8,7549	+0,6097	+9,0[illegible]
2472	——	—	—	35	3,717	8,9792	,6244	,5702	8,8[illegible]
2473	——	7.8	3	35 36,42	3,671	8,9594	,6073	,5648	8,8[illegible]
2474	——	7	2	35 56,69	3,815	9,0142	,6638	,5815	8,9[illegible]
2475	——	7	2	36 6,12	4,086	9,1101	,7607	,6113	9,0[illegible]

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of a'	b'	c'	d'	Difference from the Brisbane Catalogue. No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2431	57 35 38,57	—18,584	—8,9243	+9,8938	—1,2691	+9,5733	4551	— 2,95	—	+ 0,80
2432	45 36 28,39	18,582	+8,5441	,8214	,2691	,5736	4554	— 2,77	—	— 0,76
2433	57 29 34,01	18,573	—8,9243	,8931	,2689	,5748	4555	— 3,29	—	— 8,87
2434	49 46 52,26	18,571	—7,8451	,8499	,2688	,5751	4557	— 2,54	—	— 1,67
2435	49 31 50,75	18,565	—7,6990	,8481	,2687	,5761	4558	— 2,32	—	+ 3,12
2436	56 48 16,71	18,558	—8,8976	+9,8894	—1,2686	+9,5767	4559	— 1,86	—	— 3,30
2437	34 13 45,31	18,558	+9,1643	,7171	,2685	,5770	4560	+ 0,90	—	+16,14
2438	41 56 48,34	18,557	+8,8451	,7918	,2685	,5773	4561	— 2,01	—	+ 1,08
2439	34 14 43,51	18,551	+9,1643	,7168	,2684	,5779	4562	— 0,89	—	—59,88
2440	48 40 34,05	18,544	+7,0000	,8420	,2681	,5795	4564	— 2,06	—	+ 2,58
2441	53 19	18,529	—8,6721	+9,8703	—1,2678	+9,5810	4565	—	—	—
2442	29 1 19,41	18,525	+9,2878	,6522	,2678	,5810	4567	— 2,04	—	+ 0,30
2443	53 19 51,23	18,520	—8,6812	,8701	,2676	,8522	4568	— 2,33	—	+ 5,11
2444	32 17 40,89	18,518	+9,2122	,6937	,2676	,5825	4572	— 2,23	—	— 5,04
2445	56 47	18,509	—8,9243	,8883	,2674	,5834	4573	—	—	—
2446	49 8 3,31	18,502	—7,8451	+9,8442	—1,2672	+9,5847	4574	— 2,95	—	+ 3,33
2447	38 55 50,24	18,495	+8,9823	,7686	,2671	,5853	4575	— 2,71	—	+ 2,21
2448	44 46 32,07	18,457	+8,5185	,8122	,2662	,5907	4581	— 2,35	—	— 6,40
2449	45 12 52,82	18,453	+8,4624	,8154	,2661	,5910	4583	— 1,69	—	— 1,80
2450	57 48 19,76	18,446	—9,0000	,8916	,2659	,5922	4584	— 1,68	—	+ 8,69
2451	60 55 31,79	18,444	—9,1173	+9,9056	—1,2659	+9,5922	4585	— 2,36	—	— 5,24
2452	61 4 48,32	18,444	—9,1238	,9062	,2658	,5925	4586	— 1,93	— 1,54	+ 2,00
2453	44 40 48,37	18,441	+8,5185	,8111	,2658	,5928	4587	— 4,26	—	— 0,13
2454	28 55 0,20	18,439	+9,2787	,6487	,2657	,5931	4589	— 1,76	—	+ 2,48
2455	60 53 52,40	18,425	—9,1238	,9050	,2654	,5948	4590	— 2,24	—	— 4,55
2456	42 20 4,68	18,423	+8,7482	+9,7920	—1,2653	+9,5951	4592	— 3,24	—	+ 1,78
2457	25 43 9,35	18,421	+9,3424	,6014	,2653	,5951	4593	— 3,24	—	— 3,54
2458	55 57 22,73	18,421	—8,9191	,8819	,2653	,5954	4591	— 2,40	— 1,69	+ 0,63
2459	49 58 46,72	18,407	—8,3802	,8473	,2650	,5972	4594	— 1,39	—	— 4,29
2460	43 22 43,79	18,398	+8,6335	,7998	,2648	,5984	4596	— 2,65	—	+ 0,78
2461	58 25 28,70	18,393	—9,0453	+9,8933	—1,2646	+9,5989	4597	— 1,47	—	+ 2,07
2462	58 25 28,28	18,391	—9,0492	,8932	,2646	,5992	4598	— 1,99	—	+ 1,46
2463	40 35 21,92	18,388	+8,8451	,7762	,2646	,5992	4599	— 2,49	—	+ 3,16
2464	41 22 8,80	18,388	+8,7993	,7830	,2645	,5995	4600	— 1,87	—	— 6,42
2465	40 35	18,374	+8,8388	,7759	,2642	,6013	4601	—	—	—
2466	41 15 28,50	13,365	+8,7924	+9,7815	—1,2640	+9,6024	4602	— 3,38	—	— 1,68
2467	44 37 39,14	18,362	+8,4314	,8088	,2639	,6027	4603	— 1,92	—	+ 0,06
2468	50 12 12,89	18,360	—8,4771	,8477	,2639	,6030	4604	— 2,04	—	— 4,62
2469	39 22 5,81	18,356	+8,9031	,7644	,2638	,6036	4605	— 2,23	—	+ 0,76
2470	57 26 3,40	18,332	—9,0334	,8872	,2632	,6065	4607	— 2,67	—	+10,27
2471	61 38 42,48	18,325	—9,1761	+9,9057	—1,2630	+9,6073	4608	— 3,19	—	— 0,69
2472	50 12	18,325	—8,5185	,8470	,2632	,6065	4609	—	—	—
2473	47 59 6,66	18,313	—8,0792	,8320	,2628	,6087	4613	— 2,72	—	+ 1,41
2474	53 52 33,67	18,301	—8,8633	,8680	,2625	,6102	4615	— 2,00	—	+ 1,73
2475	61 47 2,25	18,294	—9,1903	,9056	,2623	,6110	4617	— 2,88	—	+ 2,19

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
2476	Centauri	6.7	2	13 36 34,17	+ 3,736	—8,9818	—8,6345	+0,5724	+8,8702
2477	———	8	2	36 50,72	3,784	8,9992	,6536	,5779	8,8987
2478	———	7.8	2	37 2,57	3,760	8,9894	,6447	,5752	8,8829
2479	———	8	3	37 39,80	3,713	8,9691	,6275	,5697	8,8492
2480	———	9	3	38 10,14	4,086	9,1015	,7626	,6113	9,0448
2481	Centauri	9.10	4	38 10,21	4,086	—9,1015	—8,7626	+0,6113	+9,0448
2482	———	—	—	38	4,090	9,1027	,7637	,6117	9,0463
2483	———	8.9	6	38 50,77	4,100	9,1033	,7677	,6128	9,0472
2484	———	7.8	3	38 50,62	3,652	8,9418	,6058	,5625	8,8002
2485	———	7.8	3	39 3,58	3,648	8,9399	,6050	,5620	8,7967
2486	Centauri	7.8	3	39 20,03	3,482	—8,8756	—8,5419	+0,5418	+8,6484
2487	———	7	3	39 44,09	3,462	8,8674	,5360	,5393	8,6251
2488	———	7.8	2	39 47,04	3,530	8,8953	,5643	,5488	8,7011
2489	———	7.8	2	39 51,41	3,538	8,8952	,5642	,5488	8,7006
2490	———	—	—	39	4,110	9,1023	,7720	,6138	9,0462
2491	Centauri	8	3	40 6,09	3,934	—9,0424	—8,7130	+0,5948	+8,9650
2492	———	8	3	40 29,75	3,933	9,0409	,7132	,5947	,9630
2493	Hydræ	7	2	40 0,85	3,367	8,8325	,5077	,5272	,4983
2494	Centauri	—	—	41	3,801	8,9909	,6667	,5799	,8876
2495	———	7.8	3	41 47,21	3,805	8,9903	,6691	,5803	,8870
2496	Centauri	6.7	5	41 49,31	3,806	—8,9903	—8,6694	+0,5805	+8,8870
2497	———	6	1	41 54,63	3,668	8,9385	,6180	,5644	,7964
2498	———	7	1	42 7,24	3,689	8,9461	,6265	,5669	,8109
2499	———	6	1	42 16,72	3,483	8,8690	,5501	,5419	,6346
2500	———	6.7	1	42 33,53	3,410	8,8435	,5283	,5327	,5496
2501	Centauri	7.8	1	42 37,34	3,763	—8,9719	—8,6546	+0,5755	+8,8571
2502	———	7.8	1	42 51,35	3,413	8,8419	,5286	,5331	,5518
2503	———	6.7	1	43 23,00	3,832	8,9944	,6810	,5834	,8945
2504	———	7	2	43 57,87	3,865	9,0045	,6937	,5871	,9105
2505	———	7.8	3	44 2,10	3,684	8,9384	,6282	,5663	,7980
2506	Centauri	7.8	3	44 43,99	3,710	—8,9459	—8,6388	+0,5694	+8,8126
2507	———	7.8	3	44 56,05	3,810	8,9813	,6753	,5809	,8743
2508	———	7.8	2	45 17,80	3,690	8,9370	,6325	,5670	,7964
2509	———	7	3	45 21,45	3,466	8,8567	,5525	,5398	,6023
2510	———	8	3	45 42,21	3,775	8,9668	,6642	,5769	,8504
2511	Centauri	7	2	45 53,06	3,871	—8,9998	—8,6984	+0,5878	+8,9042
2512	———	8	1	46 1,98	3,735	8,9511	,6501	,5723	,8230
2513	———	7	2	46 3,10	3,889	9,0055	,7048	,5898	,9131
2514	———	6.7	1	46 4,36	3,592	8,8991	,5985	,5553	,7181
2515	———	8	3	46 9,70	3,814	8,9790	,6786	,5814	,8711
2516	Centauri	7.8	2	46 9,72	3,616	—8,9072	—8,6069	+0,5582	+8,7364
2517	———	7.8	2	47 13,28	3,532	8,8752	,5795	,5480	,6601
2518	———	8	2	47 20,54	3,534	8,8755	,5808	,5483	,6612
2519	Hydræ	7.8	3	47 28,06	3,375	8,8237	,5296	,5283	,4790
2520	Centauri	7	3	47 41,56	3,748	8,9506	,6574	,5738	,8235

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a′	b′	c′	d′	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2476	50 37 37,24	—18,280	—8,6232	+9,8484	—1,2620	+9,6127	4618	— 1,92	— 1,92	— 2,37
2477	52 28 43,04	18,268	—8,7924	,8592	,2617	,6141	4621	— 2,21	—	— 3,73
2478	51 27 52,92	18,261	—8,7160	,8531	,2615	,6149	4622	— 0,28	—	+ 0,47
2479	49 19 16,36	18,239	—8,4914	,8391	,2610	,6174	4626	— 3,19	—	+ 0,78
2480	61 18 2,05	18,220	—9,1959	,9018	,2605	,6197	4629	— 3,15	— 1,98	+ 4,87
2481	61 17 55,75	18,220	—9,1959	+9,9018	—1,2605	+9,6197	4630	— 1,22	—	— 1,03
2482	61 23	18,220	—9,1987	,9022	,2605	,6197	4631	—	—	—
2483	61 28 28,50	18,196	—9,2068	,9019	,2600	,6224	4633	— 4,45	—	— 1,13
2484	46 10 17,60	18,198	—7,3010	,8165	,2600	,6221	4634	— 2,15	—	+ 0,51
2485	45 57 40,59	18,190	—5,0000	,8147	,2598	,6230	4636	— 3,80	—	+ 0,22
2486	36 19 33,89	18,181	+9,0043	+9,7305	—1,2596	+9,6240	4638	— 3,82	—	+ 1,45
2487	34 53 48,74	18,164	+9,0569	,7150	,2592	,6259	4640	— 1,56	—	— 6,42
2488	39 43 2,74	18,161	+8,8062	,7630	,2591	,6262	4642	— 1,88	— 2,83	— 4,44
2489	39 42 59,57	18,161	+8,8062	,7629	,2591	,6262	4643	— 3,09	— 2,60	— 9,03
2490	61 28	18,155	—9,2175	,9010	,2590	,6268	4641	—	—	—
2491	56 46 55,38	18,149	—9,0682	+9,8795	—1,2588	+9,6276	4646	— 2,37	—	— 7,43
2492	56 40 29,68	18,136	—9,0719	,8787	,2585	,6289	4648	— 4,03	—	+ 4,68
2493	27 33 50,89	18,114	+9,2718	,6219	,2580	,6313	4651	+62,21	—	+10,83
2494	52 0	18,109	—8,8513	,8527	,2579	,6319	4652	—	—	—
2495	52 0 49,02	18,086	—8,8633	,8522	,2573	,6342	4655	— 2,12	— 1,73	— 2,96
2496	52 0 51,03	18,084	—8,8633	+9,8521	—1,2573	+9,6345	4656	— 1,72	— 1,40	— 1,90
2497	46 6 6,05	18,082	—8,0000	,8132	,2572	,6348	4657	— 2,16	— 0,71	+ 3,01
2498	47 4 7,33	18,074	—8,3424	,8199	,2570	,6356	4658	— 2,73	—	+ 4,04
2499	35 37 58,95	18,069	+9,0043	,7205	,2569	,6361	4659	— 1,33	— 1,58	— 5,80
2500	30 31 18,83	18,056	+9,1903	,6608	,2566	,6374	4661	— 1,46	—	— 8,53
2501	50 7 35,03	18,056	—8,7404	+9,8399	—1,2566	+9,6374	4660	— 2,50	—	— 2,75
2502	30 49 22,41	18,046	+9,1790	,6617	,2564	,6385	4663	—	—	— 3,58
2503	52 34 42,45	18,026	—8,9191	,8540	,2559	,6405	4665	— 2,40	— 1,20	+ 1,11
2504	53 37 10,48	18,005	—8,9868	,8595	,2554	,6426	4667	— 2,26	—	— 1,53
2505	46 20 6,92	18,000	—8,2787	,8129	,2553	,6431	4668	— 2,04	— 1,98	+ 5,67
2506	47 20 32,41	17,974	—8,4914	+9,8194	—1,2546	+9,6457	4676	— 2,82	—	+ 1,67
2507	51 22 10,26	17,966	—8,8751	,8455	,2545	,6465	4677	— 2,52	— 1,99	+ 0,92
2508	46 18 3,11	17,965	—8,3222	,8116	,2541	,6477	4680	— 2,01	—	+ 2,64
2509	33 48 10,55	17,951	+9,0531	,6978	,2541	,6480	4682	— 2,41	—	+ 5,97
2510	49 52 19,08	17,938	—8,7853	,8355	,2538	,6493	4684	— 2,13	—	— 2,35
2511	53 20 31,69	17,928	—8,9956	+9,8560	—1,2535	+9,6503	4685	— 2,14	— 2,64	+ 1,76
2512	48 6 2,58	17,925	8,6335	,8235	,2535	,6505	4688	— 2,37	—	+ 7,15
2513	53 54 22,24	17,923	—9,0294	,8591	,2534	,6508	4689	— 1,17	— 1,51	+ 1,71
2514	41 12 21,35	17,923	+8,4014	,7704	,2534	,6508	4690	— 1,34	—	— 4,75
2515	51 14 51,25	17,920	—8,8865	,8435	,2533	,6510	4691	— 2,82	—	— 0,48
2516	42 24 34,71	17,920	+8,2553	+9,7805	—1,2533	+9,6510	4692	— 2,69	—	+ 0,33
2517	37 31 50,99	17,881	+8,8388	,7354	,2524	,6548	4695	— 5,68	—	— 0,25
2518	37 36 37,31	17,873	+8,8325	,7360	,2522	,6556	4697	— 1,92	—	— 0,17
2519	26 51 4,48	17,867	+9,2601	,6054	,2521	,6560	4699	— 1,89	—	— 7,03
2520	48 13 55,17	17,859	—8,6990	,8228	,2519	,6568	4700	— 3,49	—	+ 5,50

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s.				
2521	Hydræ	8	3	13 47 50,70	+3,376	—8,8235	—8,5309	+0,5284	+8,4790
2522	Centauri	7	2	48 25,02	3,738	8,9451	,6554	,5726	,8141
2523	———	8	3	48 45,70	3,468	8,8503	,5621	,5401	,5889
2524	———	7.8	3	49 1,69	3,408	8,8306	,5440	,5325	,5189
2525	———	6.7	2	49 3,66	3,789	8,9610	,6744	,5785	,8428
2526	Centauri	7.8	2	49 23,53	3,471	—8,8496	—8,5646	+0,5404	+8,8883
2527	———	7.8	2	50 22,04	3,696	8,9245	,6438	,5677	,7709
2528	———	8	3	51 18,59	3,660	8,9093	,6328	,5635	,7465
2529	Hydræ	7.8	3	51 34,53	3,367	8,8145	,5395	,5272	,4485
2530	Centauri	8.9	3	51 43,87	4,136	9,0658	,7909	,6166	,0016
2531	Centauri	7.8	2	51 37,56	3,535	—8,8660	—8,5911	+0,5484	+8,6426
2532	———	6.7	2	51 41,20	3,584	8,8823	,6077	,5544	,6856
2533	———	7.8	3	51 52,48	3,534	8,8650	,5913	,5483	,6402
2534	———	7.8	3	52 33,58	3,709	8,9228	,6522	,5693	,7756
2535	———	7.8	3	52 41,01	3,986	9,0155	,7451	,6005	,9313
2536	Centauri	7.8	2	53 6,60	3,860	—8,9725	—8,7046	+0,5866	+8,8650
2537	Hydræ	7.8	3	53 34,78	3,380	8,8147	,5486	,5289	,4581
2538	Centauri	6.7	3	53 44,23	3,616	8,8878	,6226	,5582	,7019
2539	———	6	2	53 46,96	3,450	8,8344	,5695	,5378	,5454
2540	———	—	—	54	3,608	8,8831	,6215	,5573	,6918
2541	Centauri	6.7	1	55 2,79	3,953	—8,9963	—8,7373	+0,5969	+8,9038
2542	———	6.7	2	55 7,16	3,955	8,9971	,7382	,5971	,9051
2543	———	7	2	55 11,92	4,140	9,0540	,7954	,6170	,9869
2544	———	8.9	1	55 25,05	4,145	9,0544	,7969	,6175	,9875
2545	———	9	2	56 6,37	4,182	9,0629	,8084	,6214	,9992
2546	Centauri	7.8	1	56 12,44	3,695	—8,9079	—8,6538	+0,5676	+8,7493
2547	———	7.8	3	56 50,07	3,765	8,9296	,6781	,5758	,7927
2548	———	7.8	3	57 4,50	3,512	8,8465	,5962	,5455	,5958
2549	———	7.8	3	57 23,02	3,826	8,9482	,6993	,5827	,8268
2550	———	7	3	57 27,86	3,796	8,9381	,6895	,5793	,8089
2551	Centauri	7.8	2	57 40,57	3,524	—8,8490	—8,6013	+0,5470	+8,6049
2552	———	7.8	2	57 43,22	4,143	9,0459	,7986	,6173	,9769
2553	———	7	3	58 20,87	3,517	8,8454	,6007	,5462	,5952
2554	———	9	2	58 21,12	4,206	9,0617	,8173	,6239	,9985
2555	———	—	—	58	3,519	8,8451	,6024	,5464	,5953
2556	Centauri	7.8	3	58 57,94	3,681	—8,8963	—8,6542	+0,5660	+8,7279
2557	———	7	3	59 7,30	3,882	8,9610	,7198	,5891	,8501
2558	R ———	6.7	2	59 19,17	3,942	8,9794	,7391	,5957	,8800
2559	———	8	3	59 58,41	3,522	8,8434	,6057	,5468	,5927
2560	———	7.8	1	14 0 6,53	3,742	8,9130	,6759	,5731	,7638
2561	Centauri	7.8	2	0 27,36	4,051	—9,0092	—8,7738	+0,6076	+8,9259
2562	———	7	2	0 46,31	3,817	8,9352	,7013	,5817	,8066
2563	Lupi	8	3	0 49,88	3,770	8,9197	,6863	,5763	,7778
2564	———	7.8	2	1 9,32	3,836	8,9403	,7079	,5839	,8161
2565	Centauri	8	3	1 43,08	4,027	8,9979	,7681	,6050	,9100

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of a'	b'	c'	d'	Difference from the Brisbane Catalogue. No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2521	26 52 30,03	—17,854	+9,2601	+9,6054	—1,2517	+9,6573	4702	— 3,52	—	— 7,88
2522	47 40 38,50	17,830	—8,6628	,8182	,2511	,6595	4703	+ 8,31	—	+ 3,62
2523	33 11 32,48	17,817	+9,0492	,6875	,2508	,6607	4706	— 1,53	—	+ 7,92
2524	28 57 29,74	17,803	+9,1987	,6339	,2505	,6620	4710	+ 0,26	—	+ 2,18
2525	49 35 10,28	17,803	—8,8388	,8304	,2505	,6620	4709	— 1,84	—	— 0,73
2526	33 11 15,53	17,790	+9,0453	+9,6869	—1,2502	+9,6632	4711	— 1,33	—	+ 0,69
2527	45 20 50,98	17,752	—8,3979	,7996	,2492	,6666	4716	— 2,40	—	— 0,61
2528	43 24 58,26	17,735	—7,8451	,7837	,2483	,6699	4720	— 2,58	—	— 1,06
2529	25 28 50,32	17,701	+9,2787	,5800	,2480	,6711	4726	— 1,40	—	— 7,53
2530	59 34 4,43	17,701	—9,2672	,8818	,2480	,6711	4721	—	—10,07	—
2531	36 41 22,87	17,701	+8,8325	+9,7227	—1,2480	+9,6711	4727	— 1,28	—	— 2,40
2532	39 26 37,46	17,698	+8,5682	,7492	,2479	,6714	4728	— 1,31	—	— 1,32
2533	36 33 11,07	17,690	+8,8325	,7210	,2477	,6721	4730	— 0,76	—	+ 3,04
2534	45 24 31,45	17,662	—8,5051	,7979	,2470	,6744	4734	— 2,04	—	+ 2,27
2535	55 26 16,35	17,660	—9,1553	,8609	,2470	,6747	4735	— 2,10	— 1,99	— 5,08
2536	51 17 3,16	17,637	—9,0000	+9,8869	—1,2464	+9,6766	4737	— 2,04	—	+10,74
2537	26 4 19,74	17,621	+9,2553	,5875	,2460	,6780	4739	— 3,53	—	+ 1,23
2538	40 38 54,95	17,612	+8,2304	,7579	,2458	,6787	4740	— 1,58	—	— 3,75
2539	30 54 44,64	17,610	+9,1038	,6540	,2458	,6789	4741	— 2,79	—	— 0,62
2540	40 2	17,579	+8,3617	,7517	,2450	,6814	4744	—	—	—
2541	53 53 49,19	17,554	—9,1271	+9,8499	—1,2444	+9,6835	4746	+ 1,08	—	+ 1,97
2542	53 53 47,09	17,554	—9,1303	,8504	,2444	,6835	4747	— 2,41	—	— 0,93
2543	58 56 44,68	17,551	—9,2787	,8753	,2443	,6837	4748	— 2,42	—	— 0,98
2544	58 59 3,68	17,540	—9,2833	,8752	,2440	,6847	4752	— 2,15	—	+ 1,48
2545	59 42 9,33	17,511	—9,3032	,8778	,2433	,6869	4754	— 1,90	—	— 7,80
2546	43 55 4,14	17,509	—8,4150	+9,7827	—1,2432	+9,6872	4756	— 2.73	—	+ 3,81
2547	46 49 12,37	17,483	—8,7781	,8037	,2426	,6892	4760	— 2,65	—	+ 3,58
2548	34 7 48,51	17,472	+8,9242	,6896	,2423	,6901	4764	— 2,52	—	— 1,03
2549	49 6 18,71	17,457	—8,9395	,8187	,2420	,6912	4767	— 1,25	—	+ 0,69
2550	47 56 6,82	17,454	—8,8692	,8108	,2419	,6914	4768	— 3,67	—	+ 4,34
2551	34 43 32,03	17,446	+8,8865	+9,6956	—1,2417	+9,6926	4770	— 2,51	—	— 1,72
2552	58 30 36,45	17,443	—9,2856	,8706	,2416	,6923	4769	— 1,28	—	— 0,86
2553	34 11 0,76	17,417	+8,9085	,6888	,2410	,6943	4775	— 2,35	—	+ 0,30
2554	59 49 3,80	17,414	—9,3222	,8758	,2409	,6946	4774	— 1,68	—	— 9,60
2555	34 12	17,397	+8,9031	,6887	,2405	,6959	4776	—	—	—
2556	42 42 20,61	17,391	—8,2553	+9,7700	—1,2403	+9,6963	4777	— 2,43	—	+ 0,07
2557	50 44 29,01	17,382	—9,0453	,8272	,2401	,6970	4778	— 2,74	—	+ 1,60
2558	52 40 17,49	17,374	—9,1238	,8386	,2399	,6976	4779	— 2,10	— 1,87	+ 1,38
2559	34 7 4,72	17,347	+8,8921	,6865	,2392	,6996	4782	— 1,62	—	+ 1,59
2560	45 9 8,88	17,345	—8,6990	,7880	,2392	,7001	4783	— 2,03	—	— 4,06
2561	55 37 18,52	17,324	—9,2304	+9,8535	—1,2386	+9,7014	4785	— 1,21	—	— 4,40
2562	48 1 5,20	17,309	8,9294	,8078	,2383	,7024	4787	— 2,68	—	+ 6,61
2563	46 9 2,15	17,303	8,7993	,7944	,2381	,7029	4789	+ 1,98	—	+ 0,27
2564	48 40 26,93	17,295	8,9731	,8118	,2379	,7035	4792	— 2,10	—	+ 9,88
2565	54 43 13,90	17,268	9,2148	,8473	,2372	,7055	4793	— 1,60	—	— 3,20

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
2566	Centauri	—	—	14 2	+4,051	—9,0034	—8,7755	+0,6076	+8,9188
2567	———	7	3	2 33,60	3,971	8,9781	,7520	,5989	,8801
2568	———	7.8	2	2 51,43	4,006	8,9877	,7627	,6027	,8971
2569	———	—	—	2	4,041	8,9983	,7733	,6065	,9171
2570	———	7.8	3	3 3,28	3,661	8,8794	,6551	,5636	,6957
2571	Centauri	7.8	3	3 7,37	3,645	—8,8740	—8,6502	+0,5617	+8,6830
2572	Lupi	7.8	3	3 30,80	3,761	8,9097	,6873	,5753	,7611
2573	Centauri	7.8	2	3 39,47	3,900	8,9529	,7312	,5911	,8399
2574	X ———	5.6	2	3 52,31	4,103	9,0131	,7928	,6131	,9335
2575	Libræ	6	3	4 5,35	3,403	8,8025	,5827	,5319	,4425
2576	Centauri	7.8	2	4 36,81	3,980	—8,9743	—8,7570	+0,5999	+8,8754
2577	———	—	—	4	4,150	9,0233	,8069	,6180	,9484
2578	———	7.8	1	5 11,92	3,655	8,8721	,6571	,5629	,6817
2579	———	7.8	1	5 23,14	4,123	9,0139	,7998	,6152	,9354
2580	———	7	2	5 30,14	3,640	8,8667	,6529	,5611	,6690
2581	Centauri	7	2	5 31,40	3,747	—8,8999	—8,6864	+0,5737	+8,7438
2582	———	6	1	5 47,01	3,449	8,8109	,5985	,5377	,4903
2583	———	7.8	3	6 25,66	4,071	8,9956	,7860	,6097	,9091
2584	———	8	3	6 55,73	4,130	9,0108	,8032	,6159	,9317
2585	———	7.8	2	6 55,89	3,497	8,8217	,6141	,5437	,5377
2586	Centauri	7.8	2	7 30,44	4,198	—9,0280	—8,8220	+0,6230	+8,9562
2587	———	8.9	1	7 39,55	4,021	8,9770	,7725	,6043	,8816
2588	———	7	3	7 47,44	4,230	9,0355	,8319	,6263	,9668
2589	———	7.8	1	7 48,31	3,665	8,8688	,6649	,5641	,6781
2590	———	7.8	3	8 6,84	4,088	8,9951	,7925	,6115	,9093
2591	Centauri	—	—	8	4,285	—9,0493	—8,8477	+0,6319	+8,9857
2592	———	—	—	8	3,691	8,8746	,6741	,5671	,6930
2593	———	8	3	8 43,16	4,142	9,0086	,8083	,6172	,9293
2594	V ———	6	1	9 11,71	4,116	8,9992	,8014	,6145	,9161
2595	———	7.8	3	9 11,75	4,092	8,9927	,7947	,6119	,9064
2596	Centauri	8	3	9 12,63	4,204	—9,0239	—8,8261	+0,6237	+8,9513
2597	Lupi	7	1	9 18,40	3,793	8,9039	,7064	,5790	,7562
2598	Centauri	6·7	1	9 45,15	3,595	8,8435	,6479	,5557	,6156
2599	———	7	2	10 5,09	3,593	8,8423	,6479	,5555	,6129
2600	Lupi	8	1	10 27,34	3,888	8,9291	,7363	,5897	,8045
2601	Lupi	6	2	10 32,50	3,776	—8,8955	—8,7030	+0,5770	+8,7409
2602	Centauri	7.8	3	10 40,85	4,205	9,0193	,8277	,6238	,9457
2603	———	7.8	2	10 51,20	3,712	8,8756	,6840	,5696	,6986
2604	———	—	—	10	3,596	8,8415	,6501	,5558	,6123
2605	———	7.8	2	11 4,63	3,556	8,8296	,6393	,5510	,5768
2606	Y Centauri	5.6	3	11 13,84	4,217	—9,0208	—8,8314	+0,6250	+8,9481
2607	———	6.7	1	11 39,15	4,096	8,9859	,7982	,6124	,8978
2608	———	8.9	1	11 44,88	4,117	8,9916	,8041	,6146	,9063
2609	Lupi	9.10	1	11 54,74	3,770	8,8899	,7033	,5763	,7318
2610	Centauri	8	3	12 2,43	3,637	8,8504	,6643	,5607	,6394

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	
2566	55 16	—17,247	—9,2355	+9,8497	—1,2367	+9,7070	4794	—	—	—
2567	52 54 31,51	17,230	9,1643	,8363	,2363	,7082	4798	— 3,13	— 3,74	+ 1,25
2568	53 52 10,11	17,218	9,1959	,8415	,2360	,7091	4800	— 2,14	—	+ 0,74
2569	54 52	17,218	9,2279	,8469	,2360	,7091	4801	—	—	—
2570	40 53 13,45	17,211	7,8451	,7501	,2358	,7095	4802	— 2,22	—	+ 0,12
2571	40 4 43,39	17,206	+7,3010	+9,7427	—1,2357	+9,7099	4803	— 1,41	—	— 5,77
2572	45 13 58,43	17,191	—8,7708	,7847	,2353	,7110	4805	— 2,16	—	— 1,16
2573	50 24 32,18	17,182	—9,0828	,8201	,2351	,7116	4808	— 0,80	—	— 3,72
2574	56 19 55,89	17,170	—9,2765	,8532	,2348	,7125	4810	— 1,97	— 1,89	+ 0,75
2575	25 51 28,00	17,164	+9,2175	,5727	,2346	,7129	4812	— 2,85	—	— 1,74
2576	52 45 29,74	17,137	—9,1790	+9,8331	—1,2339	+9,7148	4815	— 0,04	—	— 2,32
2577	57 17	17,128	—9,3075	,8569	,2337	,7154	4817	—	—	—
2578	40 9 1,68	17,112	—7,6021	,7409	,2333	,7164	4819	— 2,17	—	— 5,61
2579	56 32 50,40	17,103	—9,2923	,8526	,2331	,7170	4820	— 2,41	—	— 3,08
2580	39 20 52,63	17,100	+7,6990	,7333	,2330	,7173	4821	— 2,83	—	+ 4,30
2581	44 14 37,48	17,097	—8,7243	+9,7748	—1,2329	+9,7175	4822	— 1,81	—	+ 2,24
2582	28 31 47,72	17,085	+9,1173	,6100	,2326	,7183	4824	— 0,61	—	— 1,13
2583	55 1 7,62	17,054	—9,2577	,8434	,2318	,7200	4825	— 2,27	—	+ 7,89
2584	56 25 37,79	17,033	—9,2988	,8502	,2313	,7218	4828	— 3,59	—	+ 4,25
2585	31 18 32,86	17,033	+8,9868	,6454	,2313	,7218	4829	— 1,11	—	— 2,63
2586	57 56 23,83	17,005	—9,3404	+9,8569	—1,2306	+9,7236	4830	— 2,09	—	— 1,65
2587	53 22 57,79	16,999	9,2201	,8331	,2304	,7240	4832	— 3,02	—	+ 3,99
2588	58 35 51,80	16,990	9,3560	,8596	,2302	,7246	4833	— 1,39	—	— 8,81
2589	40 6 57,99	16,993	8,0000	,7376	,2303	,7244	4834	— 1,60	—	— 4,35
2590	55 8 21,16	16,978	9,2742	,8423	,2299	,7254	4836	— 1,90	—	— 7,11
2591	59 42	16,975	—9,3802	+9,8642	—1,2298	+9,7256	4837	—	—	—
2592	41 8	16,956	8,3802	,7458	,2293	,7268	4841	—	—	—
2593	56 24 52,33	16,953	9,3096	,8481	,2292	,7270	4839	— 3,88	—	+ 2,84
2594	55 38 41,84	16,924	9,2945	,8434	,2285	,7288	4847	— 1,14	— 0,60	— 1,64
2595	55 3 7,99	16,928	9,2810	,8404	,2286	,7286	4845	— 2,26	—	— 6,18
2596	57 46 24,86	16,924	—9,3463	+9,8541	—1,2285	+9,7288	4844	— 2,87	—	+ 4,95
2597	45 21 28,15	16,921	—8,8808	,7789	,2284	,7290	4849	— 2,61	—	— 5,13
2598	36 15 29,90	16,900	+8,5051	,6981	,2279	,7304	4851	— 0,10	—	— 2,24
2599	36 6 58,03	16,887	+8,5185	,6962	,2275	,7312	4857	— 1,63	—	+ 0,69
2600	48 37 32,25	16,868	—9,0719	,8006	,2271	,7324	4858	— 2,30	—	+ 8,76
2601	44 26 37,44	16,865	—8,8325	+9,7705	—1,2270	+9,7326	4859	— 2,74	—	+ 3,70
2602	57 33 8,60	16,856	—9,3502	,8512	,2267	,7332	4860	— 2,82	—	— 1,52
2603	41 41 5,36	16,856	—8,5563	,7478	,2267	,7332	4861	— 7,09	—	— 1,80
2604	36 7	16,852	+8,4914	,6955	,2266	,7334	4862	—	—	—
2605	33 56 17,64	16,840	+8,7559	,6716	,2263	,7342	4866	— 2,36	—	+ 5,99
2606	57 43 22,20	16,830	—9,3560	+9,8514	—1,2261	+9,7347	4864	— 2,54	—	— 0,21
2607	54 41 43,78	16,815	—9,2856	,8355	,2257	,7359	4867	— 0,94	—	— 6,84
2608	55 13 37,35	16,808	—9,3010	,8383	,2255	,7361	4868	— 2,74	—	+ 4,95
2609	43 55 14,25	16,798	—8,8195	,7647	,2253	,7367	4870	— 1,23	—	0,00
2610	37 56 33,83	16,792	+7,7781	,7122	,2251	,7371	4871	— 0,49	—	+ 0,61

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
2611	Lupi	7	1	14 12 13,56	+ 3,867	—8,9181	—8,7325	+0,5874	+8,7864
2612	Centauri	9.10	2	12 17,77	4,143	,9971	,8121	,6173	,9148
2613	Hydræ	8	1	12 28,54	3,434	,7952	,6107	,5358	,4462
2614	Lupi	7.8	1	12 42,90	3,943	,9388	,7555	,5958	,8236
2615	Centauri	7	3	13 16,46	3,719	,8714	,6902	,5704	,6929
2616	Centauri	8	3	14 18,97	4,098	—8,9782	—8,8014	+0,6125	+8,8878
2617	———	8	1	14 34,04	4,176	,9988	,8231	,6208	,9185
2618	Lupi	7	1	14 36,35	3,831	,9007	,7251	,5833	,7563
2619	Hydræ	8	2	14 35,40	3,478	,8020	,6261	,5413	,4872
2620	Centauri	7.8	2	14 48,63	3,692	,8597	,6849	,5673	,6682
2621	Centauri	7	3	15 17,09	3,624	—8,8393	—8,6664	+0,5592	+8,6162
2622	———	7.8	4	15 22,48	4,286	9,0252	,8529	,6320	,9562
2623	Hydræ	7.8	3	16 8,55	3,469	8,7968	,6274	,5402	,4710
2624	Centauri	7.8	2	16 12,48	3,732	8,8682	,6991	,5719	,6905
2625	Lupi	—	—	16	3,783	8,8822	,7134	,5778	,7211
2626	Centauri	—	—	16	4,294	—9,0240	—8,8557	+0,6329	+8,9549
2627	———	7	1	16 45,90	3,673	8,8496	,6826	,5650	,6467
2628	Lupi	6.7	1	16 56,08	3,832	8,8948	,7286	,5834	,7475
2629	Centauri	6.7	1	16 56,28	3,681	8,8515	,6853	,5660	,6519
2630	———	7.8	3	17 6,39	4,298	9,0226	,8573	,6333	,9534
2631	Centauri	8	3	17 32,67	4,129	—8,9763	—8,8129	+0,6158	+8,8871
2632	Lupi	7.8	5	17 34,30	3,789	,8805	,7171	,5785	,7193
2633	Centauri	8	2	17 45,27	4,167	,9860	,8234	,6198	,9016
2634	———	7	1	17 52,09	3,593	,8250	,6627	,5555	,5809
2635	———	7.8	2	17 8,48	3,664	,8437	,6825	,5640	,6345
2636	Lupi	7	2	18 23,84	3,892	—8,9077	—8,7475	+0,5902	+8,7739
2637	Centauri	8	2	18 42,19	4,173	,9847	,8259	,6204	,9004
2638	Lupi	8	1	18 43,66	3,957	,9252	,7667	,5974	,8057
2639	———	6	2	19 43,80	3,944	,9187	,7640	,5959	,7953
2640	———	7.8	2	19 58,86	3,788	,8740	,7203	,5784	,7091
2641	Lupi	7.8	3	20 51,80	3,878	—8,8970	—8,7468	+0,5886	+8,7567
2642	———	7.8	2	20 59,93	3,898	,9021	,7527	,5908	,7666
2643	Centauri	7.8	2	21 8,43	4,223	,9900	,8411	,6256	,9096
2644	———	8	3	21 16,76	4,164	,9740	,8257	,6195	,8861
2645	———	6.7	3	21 18,43	3,676	,8398	,6912	,5654	,6309
2646	Lupi	7	1	21 30,90	3,820	—8,8787	—8,7314	+0,5821	+8,7214
2647	———	7.8	2	21 36,15	4,035	8,9386	,7913	,6058	,8308
2648	Centauri	7.8	2	21 35,04	3,591	8,8161	,6688	,5552	,5635
2649	———	8	2	21 56,91	4,315	9,0122	,8649	,6350	,9412
2650	σ Lupi	5.6	2	21 52,74	3,986	8,9242	,7780	,6005	,8070
2651	Lupi	6.7	2	22 32,16	4,065	—8,9440	—8,8005	+0,6091	+8,8404
2652	Centauri	8	3	22 50,19	3,764	8,8601	,7177	,5756	,6833
2653	———	7.8	3	23 24,48	4,390	9,0246	,8848	,6425	,9592
2654	Lupi	7.8	3	23 26,64	3,874	8,8888	,7490	,5882	,7441
2655	———	9	3	23 36,90	3,874	8,8888	,7490	,5882	,7441

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a′	b′	c′	d′		M.C.	T.	
	° ′ ″	″						s.	s.	″
2611	47 35 1,26	−16,786	−9,0414	+9,7913	−1,2249	+9,7375	4873	− 2,33	− 2,79	+ 3,21
2612	55 47 55,21	16,779	−9,3181	,8405	,2248	,7378	4872	− 3,49	—	+ 1,01
2613	26 35 3,50	16,773	+9,1553	,5737	,2246	,7382	4877	− 0,81	—	+ 0,61
2614	50 2 21,22	16,760	−9,1492	,8070	,2243	,7390	4878	− 2,04	—	− 3,31
2615	41 31 7,87	16,735	−8,6021	,7432	,2236	,7405	4884	− 2,54	—	− 4,27
2616	54 17 12,26	16,683	−9,2945	+9,8298	−1,2223	+9,7436	4890	− 2,23	—	− 3,79
2617	56 11 35,82	16,670	−9,3424	,8397	,2219	,7444	4891	− 3,30	—	− 3,12
2618	45 47 54,44	16,670	−8,9823	,7756	,2219	,7444	4894	− 2,83	—	+ 1,22
2619	28 56 38,39	16,673	+9,0453	,6052	,2220	,7442	4895	− 3,28	—	− 0,86
2620	40 1 28,44	16,660	−8,4151	,7283	,2217	,7449	4897	− 2,53	—	− 4,05
2621	36 42 57,74	16,638	+8,1761	+9,6961	−1,2211	+9,7462	4900	− 0,84	—	+54,08
2622	58 30 33,89	16,631	−9,3962	,8499	,2209	,7466	4898	− 1,46	—	− 0,19
2623	28 9 49,70	16,595	+9,0719	,5923	,2200	,7487	4905	− 1,53	—	− 0,61
2624	41 35 19,39	16,592	−8,6812	,7402	,2199	,7489	4904	− 2,34	—	− 1,82
2625	43 36	16,589	−8,8633	,7568	,2198	,7491	4906	—	—	—
2626	58 30	16,582	−9,4014	+9,8486	−1,2196	+9,7494	4907	—	—	—
2627	38 47 43,25	16,566	−8,1761	,7144	,2192	,7504	4908	− 2,68	—	+ 6,10
2628	45 24 21,90	16,556	−8,9823	,7698	,2189	,7509	4909	− 2,36	—	− 2,87
2629	39 8 49,19	16,556	−8,3010	,7175	,2189	,7509	4911	− 1,78	—	+ 1,83
2630	58 28 24,33	16,546	−9,4048	,8475	,2187	,7515	4912	− 2,20	—	0,00
2631	54 29 53,02	16,523	−9,3201	+9,8269	−1,2181	+9,7528	4915	− 1,81	—	− 2,31
2632	43 36 14,37	16,523	−8,8808	,7550	,2181	,7528	4916	− 1,44	− 2,15	− 0,05
2633	55 24 57,19	16,513	−9,3444	,8316	,2178	,7533	4917	− 2,85	—	− 8,03
2634	34 43 18,79	16,510	+8,5315	,6717	,2177	,7535	4919	− 2,34	—	− 2,76
2635	38 7 28,74	16,497	−8,0000	,7063	,2174	,7542	4921	+57,71	—	− 7,11
2636	47 16 10,26	16,483	−9,0934	+9,7814	−1,2170	+9,7550	4922	− 1,20	—	+ 0,69
2637	55 24 41,41	16,467	−9,3483	,8303	,2166	,7559	4923	− 2,34	—	− 7,35
2638	49 23 18,89	16,464	−9,1790	,7951	,2165	,7560	4924	+ 1,78	—	− 3,12
2639	48 47 51,70	16,417	−9,1643	,7899	,2153	,7586	4928	− 2,22	− 2,90	+ 2,48
2640	43 8 37,56	16,403	−8,8808	,7481	,2149	,7593	4931	− 2,92	—	+ 1,82
2641	46 21 18,29	16,360	−9,0755	+9,7716	−1,2138	+9,7616	4935	− 1,97	—	+ 3,09
2642	47 1 1,79	16,350	9,1038	,7761	,2135	,7622	4936	− 0,72	—	+ 6,07
2643	56 10 21,42	16,343	9,3802	,8310	,2133	,7625	4937	− 1,49	—	− 1,22
2644	54 44 58,83	16,336	9,3483	,8233	,2131	,7629	4938	− 2,10	—	− 0,24
2645	38 9 16,18	16,339	8,2304	,7024	,2132	,7627	4940	− 3,08	—	+ 0,27
2646	44 5 27,51	16,323	−8,9638	+9,7535	−1,2128	+9,7636	4942	+ 1,64	—	+ 1,51
2647	51 15 23,18	16,323	−9,2601	,8031	,2128	,7636	4941	− 3,39	—	+ 1,07
2648	33 57 53,02	16,323	+8,5563	,6582	,2128	,7636	4943	− 1,85	—	+ 6,45
2649	58 6 25,15	16,323	−9,4216	,8399	,2128	,7636	4944	− 3,09	—	+ 3,86
2650	49 44 36,01	16,309	−9,2148	,7933	,2124	,7643	4945	− 2,28	—	+ 0,40
2651	51 57 59,32	16,275	−9,2856	+9,8060	−1,2115	+9,7661	4950	− 3,67	—	+ 1,43
2652	41 41 31,23	16,262	8,8129	,7323	,2112	,7668	4951	− 2,37	—	− 2,94
2653	59 18 20,58	16,227	9,4533	,8429	,2102	,7685	4953	− 1,57	—	− 3,39
2654	45 45 11,65	16,227	9,0682	,7637	,2102	,7685	4955	− 2,90	—	− 1,22
2655	45 43 25,33	16,227	9,0682	,7637	,2102	,7685	4956	−12,07	—	− 8,32

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	S.				
2656	Centauri	7	1	14 23 44,08	+ 4,228	—8,9829	—8,8444	+0,6261	+8,9009
2657	Lupi	8	3	24 8,80	3,873	,8865	,7496	,5880	,7406
2658	Centauri	7.8	2	25 7,46	3,654	,8248	,6917	,5628	,5994
2659	Lupi	7.8	2	25 21,49	3,893	,8889	,7565	,5903	,7468
2660	Centauri	8	3	25 22,66	3,859	,8796	,7474	,5865	,7285
2661	Lupi	6.7	3	26 8,90	4,102	—8,9428	—8,8139	+0,6130	+8,8416
2662	Centauri	7	2	26 26,05	3,712	8,8370	,7092	,5696	,6351
2663	———	7.8	3	27 12,50	4,374	9,0082	,8835	,6409	,9387
2664	Lupi	7	3	27 18,90	3,939	8,8959	,7714	,5954	,7625
2665	Centauri	7	2	27 23,37	3,802	8,8586	,7344	,5800	,6878
2666	Lupi	7	2	27 31,83	3,999	—8,9115	—8,7878	+0,6019	+8,7907
2667	Centauri	6.7	2	26 43,54	3,731	,8394	,7155	,5718	,6433
2668	Lupi	7	3	27 46,48	3,878	,8782	,7556	,5886	,7292
2669	Centauri	7	2	28 21,81	3,701	,8294	,7094	,5683	,6198
2670	———	7	2	28 41,44	3,626	,8093	,6904	,5594	,5636
2671	Lupi	7	2	28 44,47	3,978	—8,9026	—8,7836	+0,5997	+8,7762
2672	———	—	—	28	3,977	,9021	,7832	,5996	,7755
2673	———	7.8	1	29 7,77	3,897	,8796	,7622	,5907	,7338
2674	Centauri	7.8	2	29 11,02	3,634	,8103	,6932	,5604	,5681
2675	Lupi	7	3	29 52,22	3,885	,8746	,7601	,5894	,7249
2676	Centauri	6.7	1	30 5,86	4,370	—8,9980	—8,8845	+0,6405	+8,9262
2677	Lupi	—	—	30	3,903	,8776	,7657	,5914	,7318
2678	Centauri	7.8	2	30 12,51	3,760	,8380	,7288	,5752	,6476
2679	Lupi	7	1	31 13,84	3,936	,8841	,7751	,5951	,7454
2680	α ———	4	3	31 19,39	3,939	,8849	,7762	,5954	,7471
2681	Centauri	7.8	2	30 26,28	3,755	—8,8362	—8,7279	+0,5746	+8,6435
2682	———	7	3	31 54,25	3,812	,8499	,7435	,5811	,6764
2683	———	7.8	2	32 18,93	3,526	,7780	,6729	,5473	,4640
2684	———	7	1	32 20,27	3,550	,7833	,6784	,5502	,4859
2685	Lupi	—	—	32	3,921	,8766	,7728	,5934	,7328
2686	Lupi	7.8	2	32 36,99	3,952	—8,8845	—8,7809	+0,5968	+8,7479
2687	Centauri	7.8	2	33 5,46	4,385	,9919	,8902	,6420	,9195
2688	———	7.8	2	33 42,05	4,253	,9581	,8587	,6287	,8711
2689	———	9	2	33 49,63	4,254	,9581	,8592	,6288	,8712
2690	Libræ	7	3	33 59,70	3,445	,7575	,6589	,5372	,3725
2691	Centauri	7	2	35 31,04	3,885	—8,8592	—8,7668	+0,5894	+8,7026
2692	Lupi	8	1	35 47,45	4,189	,9360	,8446	,6221	,8390
2693	———	6.7	2	35 49,09	3,963	,8787	,7875	,5980	,7413
2694	———	7	2	35 53,50	4,134	,9221	,8310	,6164	,8170
2695	Centauri	6.7	1	37 4,24	3,721	,8137	,7272	,5707	,5994
2696	Centuari	7	2	37 9,93	3,855	—8,8473	—8,7614	+0,5860	+8,6803
2697	———	6.7	1	37 11,14	4,465	,9971	,9114	,6498	,9290
2698	———	7	2	37 27,94	4,327	,9643	,8796	,6362	,8829
2699	———	7.8	2	37 41,01	3,762	,8226	,7384	,5754	,6239
2700	———	7	2	38 40,78	3,670	,7974	,7173	,5647	,5579

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	b'	c'	d'	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
2656	55 51 15,14	—16,211	—9,3874	+9,8258	—1,2098	+9,7694	4957	— 2,15	—	— 1,58
2657	45 35 45,34	16,190	—9,0682	,7614	,2092	,7704	4961	+ 0,07	—	— 0,07
2658	36 29 51,68	16,141	—7,6021	,6806	,2079	,7728	4965	— 2,78	—	— 3,17
2659	46 6 35,36	16,131	—9,1038	,7636	,2077	,7734	4966	— 2,70	—	— 2,70
2660	44 54 44,75	16,127	—9,0492	,7546	,2076	,7735	4967	— 2,94	—	— 2,22
2661	52 21 24,63	16,086	—9,3160	+9,8033	—1,2064	+9,7756	4972	— 1,92	—	+0,30
2662	38 53 30,09	16,072	—8,5682	,7022	,2061	,7763	4973	— 1,82	—	— 0,40
2663	58 26 8,90	16,030	—9,4533	,8335	,2049	,7783	4975	— 2,95	—	— 1,34
2664	47 19 20,31	16,027	—9,1703	,7695	,2048	,7784	4977	— 2,00	—	— 0,08
2665	42 24 38,71	16,023	—8,9294	,7319	,2047	,7786	4978	— 3,38	—	— 1,36
2666	49 11 59,27	16,016	—9,2355	+9,7818	—1,2045	+9,7790	4979	— 3,22	—	+ 6,69
2667	39 30 29,80	16,020	—8,6721	,7065	,2046	,7788	4981	—	—	— 4,90
2668	45 10 13,92	16,002	- 9,0828	,7532	,2042	,7796	4982	— 2,54	—	+ 0,83
2669	38 5 35,31	15,967	—8,5051	,6918	,2032	,7813	4985	—	—	+ 3,63
2670	34 34 37,22	15,953	+8,1139	,6551	,2028	,7820	4992	+ 0,93	—	— 4,45
2671	48 21 5,80	15,953	—9,2148	+9,7746	—1,2028	+9,7820	4989	— 1,64	—	+ 5,19
2672	48 19	15,953	—9,2122	,7742	,2028	,7820	4988	—	—	—
2673	45 36 9,93	15,931	—9,1173	,7546	,2023	,7830	4993	— 3,00	—	+ 8,77
2674	34 53 41,96	15,928	+7,9542	,6579	,2022	,7831	4994	— 2,35	—	— 5,82
2675	45 5 55,73	15,893	—9,1003	,7496	,2012	,7848	4998	— 2,97	—	— 1,61
2676	57 55 15,91	15,878	—9,4579	+9,8271	—1,2008	+9,7854	4999	— 1,49	—	— 0,94
2677	45 36	15,857	—9,1271	,7525	,2002	,7864	5003	—	—	—
2678	40 8 49,81	15,821	—8,8062	,7069	,1992	,7880	5006	+56,45	—	— 4,47
2679	46 34 57,84	15,818	—9,1703	,7585	,1991	,7882	5005	— 2,73	—	— 3,50
2680	46 41 45,32	15,814	—9,1732	,7592	,1990	,7884	5007	— 2,76	—	+ 2,53
2681	39 54 53,21	15,807	—8,7924	+9,7044	—1,1988	+9,7887	5008	+59,61	—	—18,50
2682	42 5 52,25	15,782	—8,9590	,7227	,1982	,7898	5010	— 2,27	—	— 4,28
2683	29 0 21,40	15,764	+8,8976	,5818	,1977	,7906	5013	— 3,63	—	+ 4,84
2684	30 14 35,56	15,760	+8,8062	,5983	,1976	,7908	5014	— 2,99	—	— 3,82
2685	45 53	15,746	—9,1523	,7514	,1972	,7914	5017	—	—	—
2686	46 52 55,79	15,742	—9,1903	+9,7586	—1,1971	+9,7916	5016	— 1,74	—	+ 1,12
2687	57 47 24,08	15,717	—9,4683	,8220	,1964	,7927	5021	— 1,56	—	+ 1,17
2688	54 55 6,89	15,684	—9,4150	,8065	,1955	,7941	5024	— 2,21	— 0,51	— 6,16
2689	54 55 28,18	15,677	—9,4168	,8064	,1953	,7945	5026	— 1,98	—	— 3,13
2690	24 18 39,23	15,674	+9,1399	,5082	,1952	,7946	5031	— 3,04	—	+ 0,44
2691	44 11 4,11	15,586	—9,1038	+9,7341	—1,1927	+9,7984	5041	— 3,07	—	+ 3,83
2692	53 5 35,93	15,571	—9,3877	,7934	,1923	,7990	5043	— 2,74	—	— 0,58
2693	46 45 36,84	15,568	—9,2095	,7529	,1922	,7992	5045	— 1,46	—	+ 2,55
2694	51 41 59,90	15,568	—9,3522	,7851	,1922	,7992	5044	— 3,50	— 2,08	+ 0,94
2695	37 36 32,51	15,501	—8,6335	,6742	,1904	,8020	5052	— 1,76	—	— 3,07
2696	42 52 44,28	15,494	—9,0569	+9,7212	—1,1902	+9,8023	5053	— 1,95	—	+ 4,90
2697	58 43 51,48	15,490	—9,5011	,8200	,1900	,8024	5051	— 2,66	—	+ 4,66
2698	55 59 19,49	15,476	—9,4533	,8064	,1896	,8030	5057	— 2,00	— 0,54	— 7,75
2699	39 14 56,56	15,468	—8,8195	,6889	,1894	,8034	5058	— 2,24	—	+ 5,18
2700	35 10 9,45	15,409	—8,1139	,6464	,1878	,8058	5062	— 1,17	—	— 8,19

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. s.	s.				
2701	Centauri	7	1	14 38 44,02	+3,688	—8,8017	—8,7217	+0,5668	+8,5707
2702	Lupi	8	2	38 57,55	4,018	,8837	,8047	,6040	,7546
2703	Centauri	8	2	39 10,72	3,665	,7951	,7169	,5641	,5526
2704	Lupi	7	3	40 38,00	3,850	,8368	,7643	,5855	,6639
2705	———	—	—	40	3,855	,8380	,7654	,5860	,6664
2706	Centauri	—	—	40	3,823	—8,8300	—8,7574	+0,5824	+8,6484
2707	Lupi	7	3	41 42,94	3,970	,8641	,7956	,5988	,7219
2708	———	9.10	1	42	3,942	,8541	,7897	,5957	,7010
2709	———	7.8	3	42 45,38	3,947	,8554	,7910	,5963	,7065
2710	Centauri	6.7	3	42 50,41	3,730	,8017	,7376	,5717	,5828
2711	Lupi	6.7	2	43 2,41	3,571	—8,7651	—8,7014	+0,5528	+8,4632
2712	Circini	6.7	3	43 18,54	4,552	,9963	,9342	,6582	,9315
2713	Lupi	8	3	44 1,60	3,639	,7779	,7181	,5610	,5146
2714	———	8	3	44 7,57	3,638	,7774	,7181	,5609	,5135
2715	Circini	—	—	44	3,948	,8508	,7932	,5964	,7003
2716	Lupi	7	1	44 37,95	3,651	—8,7791	—8,7216	+0,5624	+8,5210
2717	Hydræ	6	1	44 53,40	3,531	,7527	,6962	,5479	,4203
2718	Lupi	6.7	1	44 57,06	4,204	,9120	,8560	,6237	,8096
2719	———	8	1	45 22,33	4,344	,9434	,8889	,6379	,8583
2720	———	6.7	2	45 42,53	4,025	,8667	,8133	,6048	,7326
2721	c Lupi	7	1	45 51,34	4,154	—8,8976	—8,8449	+0,6185	+8,7869
2722	———	7	2	46 26,85	3,782	,8053	,7549	,5777	,6021
2723	———	7	2	46 47,35	3,624	,7681	,7190	,5592	,4924
2724	———	7.8	2	47 12,18	4,066	,8721	,8248	,6092	,7446
2725	———	—	—	48	4,133	,8859	,8416	,6163	,7698
2726	Lupi	7	3	48 5,12	4,172	—8,8950	—8,8509	+0,6203	+8,7852
2727	———	7.8	3	48 13,43	4,070	,8702	,8267	,6096	,7427
2728	Centauri	7.8	3	48 51,00	3,902	,8279	,7866	,5913	,6604
2729	Lupi	7	4	49 9,57	3,752	,7917	,7514	,5743	,5736
2730	———	7	4	49 16,10	3,913	,8294	,7899	,5925	,6647
2731	Lupi	7	2	49 47,37	4,389	—8,9397	—8,9022	+0,6424	+8,8563
2732	———	7	3	49 51,43	3,591	,7541	,7167	,5552	,4542
2733	———	9.10	2	48 52,27	3,838	,8097	,7728	,5841	,6218
2734	———	8	2	50 38,39	4,199	,8940	,8593	,6231	,7863
2735	———	7	3	51 6,31	3,763	,7892	,7566	,5755	,5730
2736	Circini	—	—	52	4,471	—8,9498	—8,9220	+0,6504	+8,8730
2737	———	7	4	52 24,00	4,481	,9516	,9240	,6514	,8756
2738	Lupi	7.8	2	52 25,44	4,439	,9424	,9151	,6473	,8625
2739	———	7.8	3	53 35,70	3,720	,7731	,7497	,5705	,5363
2740	———	6.7	3	54 59,54	4,105	,8589	,8410	,6133	,7318
2741	Hydræ	7 8	3	55 0,94	3,553	—8,7350	—8,7170	+0,5506	+8,4020
2742	Circini	7.8	3	55 12,79	4,706	,9896	,9726	,6726	,9293
2743	Lupi	7	3	55 31,78	4,231	,8861	,8705	,6264	,7792
2744	———	7.8	2	55 53,89	3,603	,7428	,7282	,5567	,4412
2745	Circini	7.8	2	55 54,46	4,747	,9952	,9811	,6764	,9372

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2701	35 57 34,67	—15,408	—8,3979	+9,6549	—1,1878	+9,8058	5063	— 1,26	—	— 4,41
2702	47 57 47,56	15,394	—9,2695	,7564	,1873	,8064	5064	— 1,97	—	— 0,75
2703	34 52 39,67	15,382	—8,0414	,6426	,1870	,8069	5066	— 1,70	—	— 7,49
2704	42 9 11,69	15,300	—9,0492	,7098	,1847	,8102	5074	— 1,69	—	+ 0,06
2705	42 19	15,300	—9,0569	,7112	,1847	,8102	5075	—	—	—
2706	41 9	15,300	—8,9912	+9,7011	—1,1847	+9,8102	5076	—	—	—
2707	46 5 41,01	15,240	—9,2227	,7388	,1830	,8125	5082	— 2,22	—	+ 4,87
2708	45 1	15,179	—9,1903	,7292	,1812	,8149	5088	—	—	—
2709	45 11 39,55	15,179	—9,1959	,7304	,1812	,8149	5089	— 1,82	—	— 0,45
2710	37 8 24,15	15,175	—8,6902	,6603	,1811	,8150	5090	— 1,94	—	— 3,26
2711	29 54 50,66	15,167	+8,6990	+9,5771	—1,1809	+9,8153	5091	— 1,58	—	— 3,05
2712	59 27 1,62	15,144	—9,5366	,8135	,1802	,8162	5092	— 1,58	— 0.26	— 0,97
2713	33 1 55,49	15,110	+7,7781	,6140	,1793	,8175	5098	— 1,95	—	+ 1,48
2714	32 58 54,31	15,102	+7,7781	,6132	,1790	,8178	5099	— 0,92	—	+ 8,86
2715	44 58	15,075	—9,2014	,7258	,1783	,8188	5100	—	—	—
2716	33 28 57,12	15,075	—7,3010	+9,6182	—1,1783	+9,8188	5102	— 3,44	—	+ 2,06
2717	27 41 22,10	15,060	+8,8865	,5434	,1778	,8194	5105	— 2,64	—	— 0,78
2718	52 9 16,19	15,052	—9,4082	,7733	,1776	,8197	5103	— 2,28	— 1,34	+ 0,12
2719	55 15 29,97	15,029	—9,4728	,7899	,1769	,8205	5110	— 2,05	—	— 1,88
2720	47 13 26,02	15,014	—9,2810	,7405	,1765	,8211	5112	— 4,94	—	— 0,81
2721	50 47 35,85	15,002	—9,3802	+9,7636	—1,1761	+9,8215	5113	— 2,86	—	+ 1,30
2722	38 45 40,29	14,967	—8,8976	,6701	,1751	,8228	5118	— 2,51	—	+ 5,63
2723	31 58 57,95	14,948	+8,1761	,5969	,1746	,8235	5120	— 1,79	—	— 1,95
2724	48 11 51,48	14,921	—9,3201	,7444	,1738	,8245	5122	— 1,24	—	— 4,72
2725	49 55	14,874	—9,3692	,7544	,1724	,8262	5127	—	—	—
2726	50 55 42,37	14,870	—9,3944	+9,7606	—1,1723	+9,8263	5128	— 0,59	—	— 0,29
2727	48 10 29,44	14,862	—9,3243	,7426	,1721	,8266	5130	— 2,35	—	+ 4,03
2728	42 49 26,57	14,827	—9,1461	,7017	,1710	,8279	5134	— 2,20	—	— 0,67
2729	37 14 4,51	14,811	—8,7993	,6506	,1706	,8284	5136	— 2,54	—	— 2,18
2730	43 9 35,77	14,799	—9,1614	,7036	,1702	,8288	5138	— 0,57	—	+ 1,94
2731	55 36 57,56	14,768	—9,4955	+9,7841	—1,1693	+9,8300	5139	— 0,65	—	+ 2,83
2732	30 4 0,97	14,768	+8,5682	,5675	,1693	,8300	5141	— 2,19	—	— 5,57
2733	40 26 19,15	14,760	—9,0374	,6793	,1691	,8302	5142	—	+63,31	— 1,02
2734	51 16 39,41	14,724	—9,4116	,7584	,1680	,8315	5144	— 7,56	—	+ 6,32
2735	37 24 57,81	14,693	—8,8325	,6490	,1671	,8326	5148	— 2,16	—	— 0,10
2736	56 53	14,617	—9,5263	+9,7861	—1,1649	+9,8351	5154	—	—	—
2737	57 3 49,00	14,613	—9,5289	,7868	,1647	,8353	5155	— 1,90	—	— 1,97
2738	56 16 53,95	14,609	—9,5172	,7828	,1646	,8354	5156	— 0,17	—	+ 4,93
2739	35 18 36,17	14,545	—8,6434	,6230	,1627	,8375	5165	— 2,50	—	— 0,28
2740	48 15 11,93	14,461	—9,3579	,7311	,1602	,8402	5170	— 2,13	—	— 4,62
2741	27 39 59,19	14,461	+8,7924	+9,5253	—1,1602	+9,8403	5173	— 1,54	—	— 2,52
2742	60 30 11,07	14,445	—9,5888	,7976	,1597	,8408	5172	— 3,14	—	— 1,42
2743	51 24 8,22	14,425	—9,4346	,7502	,1591	,8415	5174	— 1,82	—	+ 1,14
2744	29 55 39,30	14,108	+8,4624	,5550	,1586	,8420	5177	— 2,16	—	+ 0,47
2745	61 0 35,03	14,400	—9,5999	,7984	,1584	,8423	5175	— 0,66	—	— 2,55

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
2746	Lupi	7	2	14 56 12,60	+3,735	—8,7701	—8,7567	+0,5723	+8,5357
2747	——	6·7	2	56 19,88	4,119	,8583	,8454	,6148	,7327
2748	Circini	7.8	3	56 30,15	4,590	,9616	,9497	,6618	,8925
2749	Lupi	7.8	2	57 25,62	3,943	,8145	,8056	,5958	,6492
2750	——	9.10	1	58 22,46	4,486	,9354	,9283	,6519	,8566
2751	Lupi	6.7	2	57 51,43	3,854	—8,7925	—8,7855	+0,5859	+8,6005
2752	——	7	3	58 7,33	3,921	,8072	,8011	,5934	,6349
2753	——	7.8	2	58 33,71	3,776	,7732	,7687	,5770	,5525
2754	——	7.8	2	58 56,33	3,748	,7660	,7630	,5738	,5335
2755	——	6	2	59 23,14	4,403	,9126	,9116	,6437	,8946
2756	Circini	7.8	3	15 0 4,53	4,783	—8,9900	—8,9898	+0,6797	+8,9324
2757	Lupi	9	2	0 3,45	3,954	,8096	,8108	,5970	,6444
2758	ζ^1 ——	8	3	0 42,75	4,262	,8775	,8813	,6296	,7711
2759	——	8	4	0 45,06	4,007	,8194	,8237	,6028	,6664
2760	χ^2 ——	7	1	0 52,53	4,128	,8469	,8514	,6157	,7190
2761	Circini	7	1	1 5,65	4,766	—8,9816	—8,9872	+0,6781	+8,9224
2762	Lupi	7.8	3	0 48,49	4,008	,8189	,8242	,6029	,6659
2763	——	7.8	1	1 27,56	4,112	,8414	,8482	,6140	,7099
2764	——	7.8	2	1 51,81	3,688	,7460	,7540	,5668	,4827
2765	——	6.7	2	3 3,87	3,752	,7563	,7689	,5743	,5203
2766	δ^1 Circini	6.7	3	3 45,59	4,755	—8,9706	—8,9863	+0,6771	+8,9095
2767	Lupi	7.8	3	3 52,55	3,959	,7997	,8157	,5976	,6319
2768	δ^2 Circini	—	—	4	4,756	,9699	,9866	,6772	,9087
2769	——	6	3	4 4,94	4,762	,9710	,9877	,6778	,9102
2770	Libræ	6	2	4 25,76	3,530	,7092	,7269	,5478	,3448
2771	Lupi	8	2	4 36,97	3,986	—8,8038	—8,8225	+0,6005	+8,6421
2772	——	7.8	3	4 47,94	4,121	,8336	,8531	,6150	,7011
2773	——	7.8	3	5 11,69	4,122	,8328	,8535	,6151	,7002
2774	——	6.7	1	5 31,06	3,968	,7973	,8193	,5986	,6303
2775	——	8	2	5 39,44	3,787	,7570	,7795	,5783	,5321
2776	Lupi	7	3	5 44,16	4,001	—8,8042	—8,8269	+0,6022	+8,6453
2777	——	7.8	2	5 48,08	4,118	,8301	,8531	,6147	,6962
2778	Circini	7	2	6 0,99	4,744	,9609	,9851	,6761	,8980
2779	Lupi	7.8	2	6 2,71	3,935	,7885	,8125	,5949	,6122
2780	Circini	8	3	6 23,93	4,722	,9554	,9810	,6741	,8910
2781	Circini	—	—	6	4,724	—8,9549	—8,9814	+0,6743	+8,8904
2782	Lupi	7	2	6 54,82	4,398	,8877	,9153	,6433	,7945
2783	——	7.8	2	7 3,92	4,125	,8280	,8558	,6154	,6944
2784	μ^2 ——	7.8	1	7 28,40	4,126	,8269	,8562	,6155	,6931
2785	——	6.7	2	7 39,97	3,902	,7767	,8068	,5913	,5891
2786	Lupi	8	2	7 48,52	3,913	—8,7785	—8,8094	+0,5925	+8,5940
2787	ν Circini	7	1	8 34,87	4,499	,9034	,9373	,6531	,8197
2788	——	7	2	9 21,26	3,796	,7492	,7859	,5793	,5237
2789	——	8	2	9 21,93	4,408	,8821	,9188	,6442	,7885
2790	Circini	8	2	9 42,32	4,561	,9125	,9507	,6591	,8340

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a′	b′	c′	d′	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2746	35 38 17,96	—14,388	—8,7243	+9,6216	—1,1580	+9,8427	5178	— 1,96	—	— 6,47
2747	48 27 49,74	14,380	9,3692	,7302	,1577	,8429	5179	— 2,23	—	+ 2,39
2748	58 31 3,68	14,364	9,5658	,7863	,1573	,8435	5180	— 1,58	—	+ 4,91
2749	43 5 14,62	14,315	9,2068	,6886	,1558	,8450	5182	— 2,95	—	+ 4,60
2750	56 29 52,03	14,286	9,5378	,7743	,1549	,8459	5183	—36,24	—	+55,39
2751	39 57 41,78	14,286	—9,0719	+9,6609	—1,1549	+9,8459	5184	— 1,81	—	— 5,88
2752	42 14 46,64	14,270	9,1790	,6802	,1544	,8464	5186	— 2,71	—	+ 0,25
2753	36 58 3,38	14,245	8,8808	,6310	,1537	,8472	5188	— 1,88	—	— 0,54
2754	35 48 50,82	14,221	8,7781	,6185	,1529	,8480	5191	— 2,12	—	— 4,81
2755	54 43 54,45	14,188	9,5145	,7620	,1519	,8490	5193	— 2,42	— 1,06	— 7,28
2756	61 7 52,29	14,175	—9,6128	+9,7921	—1,1515	+9,8494	5194	—31,90	—	— 3,67
2757	43 6 30,62	14,151	,2227	,6837	,1508	,8501	5201	— 1,14	—	+ 5,86
2758	51 29 28,25	14,109	,4564	,7412	,1495	,8514	5203	— 2,30	— 2,79	— 2,33
2759	44 39 53,22	14,101	,2810	,6944	,1492	,8516	5206	+ 2,19	—	+ 3,27
2760	48 7 42,53	14,097	,3784	,7193	,1491	,8517	5207	—	— 2,37	+ 5,53
2761	60 44 0,56	14,080	—9,6117	+9,7874	—1,1486	+9,8522	5209	— 2,56	—	— 1,82
2762	44 39 56,15	14,085	9,2810	,6939	,1487	,8521	5211	+17,49	—	— 0,32
2763	44 36 21,57	14,059	9,3692	,7146	,1480	,8529	5215	— 0,58	—	+ 2,42
2764	33 1 39,32	14,038	8,3979	,5821	,1473	,8535	5218	— 3,02	—	— 3,12
2765	35 29 2,07	13,963	8,8062	,6070	,1450	,8557	5221	— 1,62	—	— 5,43
2766	60 18 9,96	13,913	—9,6128	+9,7804	—1,1434	+9,8572	5225	— 2,56	— 2,98	— 4,10
2767	42 46 53,04	13,909	—9,2330	,6735	,1433	,8573	5230	— 1,61	—	+ 5,67
2768	60 16	13,897	—9,6138	,7798	,1429	,8577	5228	—	—	—
2769	60 21 24,13	13,897	—9,6149	,7802	,1429	,8577	5229	— 2,76	— 3,16	+ 1,22
2770	25 35 19,31	13,880	+8,8976	,4760	,1424	,8581	5233	— 1,77	—	+ 0,26
2771	43 32 43,20	13,863	—9,2648	+9,6783	—1,1418	+9,8586	5234	— 2,38	—	+ 4,43
2772	47 28 18,18	13,850	9,3802	,7070	,1415	,8590	5235	— 0,13	—	—30,73
2773	47 26 37,40	13,829	9,3802	,7063	,1408	,8596	5238	— 2,05	—	— 2,09
2774	42 53 1,97	13,808	9 2430	,6712	,1401	,8602	5242	— 1,84	—	+ 4,09
2775	36 32 52,25	13,799	8,9191	,6130	,1399	,8604	5244	— 2,72	—	+ 5,39
2776	43 54 10,26	13,795	—9,2787	+9,6789	—1,1397	+9,8606	5245	— 2,39	—	+ 1,42
2777	47 15 56,40	13,791	,3784	,7038	,1396	,8607	5248	— 2,63	—	+ 0,84
2778	59 54 5,68	13,770	,6138	,7742	,1389	,8613	5249	— 1,45	—	— 3,59
2779	41 46 14,01	13,774	,2041	,6608	,1391	,8612	5250	— 1,70	—	+ 0,66
2780	59 32 24,24	13,749	,6095	,7719	,1383	,8619	5251	— 3,38	—	— 2,50
2781	59 32	13,732	—9,6107	+9,7713	—1,1377	+9,8623	5253	—	—	—
2782	53 46 12,37	13,715	,5211	,7420	,1372	,8628	5254	— 1,49	—	+ 0,33
2783	47 18 22,50	13,710	,3838	,7016	,1370	,8629	5257	— 1,64	—	+ 2,92
2784	47 17 3,93	13,685	,3856	,7006	,1362	,8637	5261	— 2,99	—	— 0,28
2785	40 28 5,92	13,672	,1614	,6463	,1358	,8640	5262	— 2,89	—	— 2,73
2786	40 49 20,75	13,659	—9,1761	+9,6490	—1,1354	+9,8644	5264	— 0,68	—	— 2,06
2787	55 32 39,03	13,608	9,5563	,7482	,1338	,8658	5267	— 2,62	—	— 4,00
2788	36 30 5,20	13,561	8,9494	,6049	,1323	,8670	5273	— 1,09	—	— 1,93
2789	53 42 10,87	13,561	9,5264	,7367	,1323	,8670	5271	— 1,95	—	+ 0,98
2790	56 33 33,39	13,535	9,5763	,7511	,1315	,8677	5275	— 2,06	—	+ 1,53

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of.			
						a	*b*	*c*	*d*
				H. M. S.	s.				
2791	Lupi	7.8	1	15 9 56,76	+ 4,132	—8,8209	—8,8596	+0,6162	+8,6863
2792	———	7.8	2	10 27,50	4,381	,8728	,9138	,6416	,7753
2793	Circini	6.7	2	10 41,35	4,699	,9364	,9784	,6720	,8683
2794	Lupi	7	2	11 3,21	4,160	,8231	,8663	,6191	,6924
2795	———	7	2	11 6,11	3,905	,7676	,8109	,5916	,5773
2796	Lupi	7	4	11 29,44	4,582	—8,9110	—8,9558	+0,6611	+8,8335
2797	———	7	2	11 34,69	4,301	,8522	,8976	,6336	,7438
2798	———	—	—	11	4,583	,9106	,9562	,6611	,8330
2799	———	7	1	12 16,91	3,681	,7184	,7655	,5660	,4382
2800	Libræ	7.8	2	13 3,01	3,616	,7039	,7545	,5582	,3864
2801	Lupi	7	2	13 57,61	4,374	—8,8601	—8,9144	+0,6409	+8,7596
2802	———	6.7	1	14 5,26	4,130	,8078	,8626	,6159	,6696
2803	Libræ	8	2	14 27,62	3,574	,6929	,7486	,5531	,3462
2804	Lupi	7.8	2	14 32,90	3,780	,7320	,7883	,5775	,4946
2805	———	8	2	15 20,33	3,790	,7318	,7912	,5786	,4974
2806	Tri. Aust.	—	—	15	5,266	—9,0209	—9,0817	+0,7215	+8,9795
2807	Lupi	8	2	15 39,55	3,894	8,7526	8,8131	,5904	,5545
2808	———	7.8	2	15 44,01	4,075	8,7911	8,8519	,6101	,6403
2809	———	7.8	2	15 52,74	4,224	8,8229	8,8840	,6257	,7000
2810	———	7	2	16 4,92	3,803	8,7324	8,7946	,5801	,5022
2811	Lupi	—		16	3,793	—8,7297	—8,7928	+0,5790	+8,4952
2812	———	8.9	3	17 50,08	4,062	,7818	,8508	,6087	,6263
2813	———	8	2	17 56,94	4,288	,8293	,8991	,6322	,7147
2814	———	8	2	18 2,71	3,728	,7123	,7818	,5715	,4484
2815	———	7	2	18 3,56	3,837	,7338	,8036	,5840	,5141
2816	Lupi	6	2	18 17,93	4,129	—8,7948	—8,8656	+0,6158	+8,6531
2817	———	7	2	18 55,49	4,415	,8525	,9259	,6449	,7539
2818	———	6.7	4	18 56,83	3,868	,7376	,8109	,5875	,5277
2819	Libræ	7	2	19 16,97	3,618	,6884	,7628	,5585	,3642
2820	Lupi	—		19	3,869	,7365	,8117	,5876	,5267
2821	Lupi	7	2	19 41,75	3,970	—8,7569	—8,8328	+0,5988	+8,5772
2822	———	6.7	1	19 44,62	4,181	,8012	,8776	,6213	,6680
2823	———	8	2	20 37,38	3,736	,7066	,7861	,5724	,4431
2824	———	8	2	20 49,14	4,298	,8224	,9029	,6333	,7074
2825	———	7	2	21 15,02	3,744	,7063	,7884	,5733	,4457
2826	Lupi	7.8	3	21 15,60	4,081	—8,7755	—8,8576	+0,6108	+8,6214
2827	———	7	1	21 40,45	3,876	,7315	,8152	,5884	,5217
2828	———	7	3	22 49,71	3,935	,7402	,8285	,5949	,5478
2829	———	7.8	2	23 52,38	3,904	,7308	,8230	,5915	,5280
2830	Libræ	8	2	24 25,81	3,546	,6628	,7570	,5497	,2833
2831	Lupi	6.7	2	25 16,27	4,071	—8,7613	—8,8588	+0,6097	+8,6020
2832	Normæ	7	2	25 54,28	4,508	,8484	,9485	,6540	,7563
2833	Lupi	7	2	26 5,50	3,963	,7363	,8372	,5980	,5491
2834	———	7	3	26 32,30	3,963	,7351	,8376	,5980	,5476
2835	———	—		26	3,968	,7359	,8387	,5986	,5498

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a′	b′	c′	d′		M.C.	T.	
	° ′ ″	″						s.	s.	″
2791	47 10 25,24	−13,527	−9,3909	+9,6947	−1,1312	+9,8680	5279	− 2,26	—	− 1,79
2792	53 0 59,48	13,488	−9,5185	,7306	,1299	,8690	5282	− 1,09	—	+ 3,46
2793	58 44 11,41	13,471	−9,6107	,7594	,1294	,8695	5283	− 2,16	− 2,20	+ 4,65
2794	47 43 19,15	13,449	−9,4116	,6961	,1287	,8700	5288	—	—	+ 7,09
2795	40 9 57,59	13,449	−9,1643	,6365	,1287	,8700	5287	− 1,44	− 2,49	− 7,47
2796	56 45 2,49	13,423	−9,5882	+9,7484	−1,1278	+9,8707	5289	− 2,94	—	− 1,25
2797	51 9 17,26	13,414	−9,4871	,7172	,1276	,8710	5290	− 1,42	—	+ 1,43
2798	56 45	13,410	−9,5843	,7479	,1274	,8711	5292	—	—	—
2799	31 36 27,68	13,383	−8,3222	,5444	,1266	,8717	5295	− 1,47	—	+ 1,06
2800	28 45 41,39	13,323	+8,3010	,5053	,1246	,8733	5300	− 1,15	—	+ 2,47
2801	52 29 4,78	13,262	−9,5198	+9,7202	−1,1226	+9,8749	5305	− 3,13	—	− 0,37
2802	46 38 35,69	13,253	−9,3944	,6822	,1223	,8751	5307	− 2,70	—	+ 1,45
2803	26 43 40,91	13,237	+8,6990	,4731	,1217	,8756	5309	− 3,22	—	− 3,40
2804	35 20 36,44	13,227	−8,9085	,5821	,1215	,8758	5310	− 2,28	—	− 0,99
2805	35 37 38,60	13,174	−8,9345	,5833	,1197	,8771	5316	− 2,02	—	− 1,47
2806	65 21	13,148	−9,7033	+9,7755	−1,1189	+9,8778	5314	—	—	—
2807	39 19 7,23	13,153	−9,1523	,6191	,1190	,8777	5320	− 0,96	—	− 1,09
2808	44 56 39,49	13,148	−9,3541	,6662	,1189	,8778	5321	− 1,95	—	− 4,47
2809	48 52 59,60	13,142	−9,4533	,6939	,1187	,8779	5322	− 2,95	—	+10,60
2810	36 1 39,89	13,127	−8,9731	,5859	,1181	,8783	5323	− 2,28	—	− 1,56
2811	35 37	13,108	−8,9445	+9,5812	−1,1175	+9,8788	5327	—	—	—
2812	44 19 47,22	13,008	−9,3463	,6567	,1142	,8813	5337	− 1,83	—	− 0,80
2813	50 10 26,54	12,993	−9,4871	,6972	,1137	,8816	5340	+ 1,06	—	− 2,77
2814	32 58 45,17	12,998	−8,6990	,5481	,1139	,8815	5342	− 3,03	—	+ 0,91
2815	37 3 58,24	12,993	−9,0531	,5921	,1137	,8816	5343	− 1,86	—	− 2,19
2816	46 10 15,43	12,982	−9,3979	+9,6695	−1,1131	+9,8820	5344	− 2,03	—	+ 5,03
2817	52 48 51,67	12,932	−9,5403	,7111	,1116	,8831	5345	− 0,64	—	− 3,19
2818	38 4 14,97	12,932	−9,1106	,5999	,1116	,8831	5346	− 0,73	—	+ 0,10
2819	28 18 12,08	12,913	+8,2787	,4852	,1110	,8835	5349	− 1,60	—	− 2,17
2820	38 4	12,900	−9,1139	,5988	,1106	,8838	5350	—	—	—
2821	41 21 34,82	12,887	−9,2553	+9,6285	−1,1101	+9,8841	5351	− 2,86	—	+ 0,56
2822	47 21 47,73	12,878	−9,4314	,6747	,1098	,8844	5352	− 1,24	—	+ 0,67
2823	33 1 22,16	12,823	−8,7404	,5426	,1080	,8856	5361	− 2,07	—	− 1,96
2824	50 6 22,07	12,807	−9,4941	,6905	,1074	,8860	5362	− 2,80	—	−10,20
2825	33 15 51,22	12,779	−8,7781	,5440	,1065	,8867	5365	− 3,11	—	+ 3,45
2826	44 30 56,04	12,779	−9,3636	+9,6505	−1,1065	+9,8867	5363	− 1,80	—	− 4,57
2827	38 4 2,57	12,752	−9,1271	,5938	,1056	,8873	5369	− 1,22	—	− 3,02
2828	39 56 27,85	12,671	−9,2148	,6085	,1028	,8892	5376	− 2,32	—	− 5,65
2829	38 48 6,01	12,603	−9,1732	,5957	,1005	,8907	5379	− 1,96	—	+ 4,28
2830	24 33 55,97	12,567	+8,8388	,4178	,0992	,8915	5382	− 1,04	—	+4,57,30
2831	43 51 12,86	12,508	−9,3579	+9,6360	−1,0972	+9,8926	5388	− 1,90	—	+ 2,75
2832	53 59 1,45	12,462	−9,5787	,7016	,0956	,8938	5389	− 2,16	—	+ 4,66
2833	40 31 22,23	12,448	−9,2528	,6060	,0951	,8941	5390	− 1,51	—	− 8,61
2834	40 28 57,40	12,422	−9,2553	,6048	,0942	,8947	5392	− 2,45	—	− 5,00
2835	40 37	12,417	−9,2601	,6059	,0940	,8948	5393	—	—	—

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	S.				
2836	Normæ	6	2	15 26 58,43	+ 4,405	—8,8242	—8,9286	+0,6439	+8,7199
2837	——	7	2	27 16,70	4,565	,8547	,9604	,6594	,7676
2838	——	7	1	27 38,96	4,653	,8702	,9774	,6677	,7908
2839	——	7.8	1	29 28,88	4,468	,8282	,9425	,6501	,7299
2840	——	7	2	29 39,03	4,213	,7766	,8914	,6246	,6424
2841	Libræ	7.8	3	29 55,68	3,611	—8,6585	—8,7743	+0,5576	+8,3175
2842	——	7	2	30 21,15	3,699	,6724	8,7898	,5681	,3805
2843	Normæ	7	2	30 55,78	4,280	,7860	8,9057	,6314	,6619
2844	——	6.7	2	31 5,13	4,292	,7878	8,9083	,6327	,6655
2845	Circini	7.8	2	31 45,59	4,978	,9149	9,0381	,6970	,8559
2846	Scorpii	7.8	2	31 45,44	3,655	—8,6605	—8,7837	+0,5629	+8,3434
2847	Normæ	—	—	31	4,404	,8078	,9312	,6438	,7006
2848	Scorpii	7.8	2	31 50,66	3,652	,6601	,7832	,5625	,3413
2849	Lupi	8	1	31 57,72	4,158	,7572	,8817	,6189	,6109
2850	Normæ	7	2	32 12,10	4,407	,8069	,9319	,6441	,6999
2851	Lupi	—	—	33	4,011	—8,7233	—8,8530	+0,6032	+8,5430
2852	——	6.7	4	33 36,59	4,012	,7228	,8533	,6034	,5425
2853	——	7	2	34 6,20	3,717	,6647	,7970	,5702	,3778
2854	Normæ	7	2	34 52,25	4,431	,8027	,9379	,6465	,6971
2855	——	7	1	35 10,87	4,277	,7712	,9077	,6311	,6439
2856	Normæ	8	2	36 32,69	4,555	—8,8208	—8,9630	+0,6585	+8,7283
2857	Lupi	7	2	36 48,94	3,968	,7042	,8472	,5963	,5095
2858	Normæ	7.8	2	36 51,43	4,454	,8001	,9437	,6487	,6964
2859	Lupi	8	2	37 16,66	4,112	,7310	,8761	,6140	,5717
2860	Normæ	8	2	37 16,85	4,445	,7970	,9421	,6480	,6919
2861	Scorpii	7	2	38 35,47	3,655	—8,6408	—8,7910	+0,5629	+8,3167
2862	Lupi	7	2	39 5,47	4,157	,7340	8,8864	,6188	,5829
2863	Normæ	7	2	39 50,84	4,861	,8649	9,0205	,6867	,7961
2864	——	7	1	40 25,85	4,565	,8089	8,9666	,6594	,7155
2865	Lupi	7.8	2	42 3,71	4,955	,8727	9,0377	,6950	,8089
2866	Normæ	6.7	2	42 10,50	3,802	—8,6558	—8,8200	+0,5800	+8,3994
2867	Scorpii	7	2	42 21,25	3,690	,6353	,8006	,5670	,3265
2868	Normæ	8	2	42 38,88	4,420	,7734	,9401	,6454	,6625
2869	——	7.8	1	42 44,50	4,535	,7948	,9621	,6566	,6972
2870	——	7	2	43 4,74	4,379	,7639	,9324	,6414	,6473
2871	Normæ	7.8	3	44 19,58	4,970	—8,8671	—9,0409	+0,6964	+8,8035
2872	——	8	1	44 20,00	4,099	,7052	8,8786	,6127	,5385
2873	Scorpii	—	—	44	3,585	,6116	8,7861	,5545	,2367
2874	Normæ	7.8	1	47 8,18	4,749	,8180	9,0032	,6766	,7383
2875	Lupi	7	2	47 18,68	4,135	,7013	8,8874	,6165	,5400
2876	Normæ	7.8	2	47 33,76	4,586	—8,7867	—8,9736	+0,6614	+8,6923
2877	Lupi	5.6	2	48 37,76	4,055	,6815	8,8728	,6080	,5010
2878	Normæ	7.8	2	48 40,84	4,622	,7893	8,9809	,6648	,6979
2879	Lupi	6.7	2	49 11,61	3,787	,6300	8,8236	,5783	,3610
2880	Normæ	7	1	49 42,13	4,764	,8111	9,0067	,6785	,7317

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	b'	c'	d'	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
2836	51 50 15,57	—12,388	—9,5441	+9,6867	—1,0930	+9,8954	5396	— 2,96	— 3,63	+ 2,57
2837	54 53 42,70	12,367	—9,5966	,7032	,0922	,8959	5397	— 3,15	—	— 1,96
2838	56 22 55,51	12,338	—9,6191	,7099	,0913	,8965	5401	— 2,04	—	+ 3,66
2839	52 51 53,33	12,215	—9,5682	,6866	,0869	,8992	5408	— 1,72	—	+ 2,79
2840	47 12 30,26	12,205	—9,4579	,6504	,0865	,8994	5409	— 2,12	—	+ 0,25
2841	27 6 57,57	12,187	+8,3802	+9,4430	—1,0859	+9,8998	5414	— 0,34	—	— 1,22
2842	30 41 14,41	12,158	—8,5185	,4910	,0849	,9003	5417	— 2,21	—	— 5,87
2843	48 41 38,87	12,117	—9,4955	,6574	,0834	,9012	5422	— 2,24	—	+ 8,33
2844	48 57 57,13	12,103	—9,5011	,6586	,0829	,9015	5424	— 1,55	—	+ 8,19
2845	60 46 37,92	12,057	—9,6857	,7203	,0812	,9024	5426	— 3,95	—	— 1,75
2846	28 46 37,85	12,057	—7,6990	+9,4621	—1,0812	+9,9024	5431	+ 0,75	—	+ 1,85
2847	51 21	12,052	—9,5478	,6720	,0810	,9025	5427	—	—	—
2848	28 39 46,32	12,057	—7,3010	,4605	,0812	,9024	5432	— 2.52	—	+ 1,26
2849	45 33 32,68	12,033	—9,4265	,6322	,0804	,9029	5433	+ 7,40	—	— 3,20
2850	51 23 13,61	12,025	—9,5490	,6711	,0800	,9031	5434	— 1,29	—	+ 1,46
2851	41 18	11,940	—9,3096	+9,5948	—1,0770	+9,9048	5447	—	—	—
2852	41 18 11,79	11,925	—9,3017	,5942	,0765	,9051	5449	— 1,66	—	— 2,65
2853	31 5 8,26	11,893	—8,6434	,4865	,0753	,9057	5452	— 1,17	—	— 2,39
2854	51 38 15,99	11,842	—9,5611	,6659	,0734	,9068	5454	— 4,16	—	+ 5,72
2855	48 13 37,87	11,818	—9,4955	,6434	,0725	,9072	5456	— 2,21	—	+ 4,53
2856	53 53 24,97	11,718	—9,6010	+9,6744	—1,0689	+9,9091	5465	— 1,07	—	+11,74
2857	39 41 17,61	11,704	—9,2648	,5718	,0683	,9094	5475	— 2,47	—	— 6,95
2858	51 56 11,04	11,695	—9,5705	,6623	,0680	,9096	5474	— 2,08	—	— 5,28
2859	43 50 54,96	11,667	—9,3979	,6057	,0669	,9101	5480	— 2,16	—	+ 5,31
2860	51 42 53,78	11,667	—9,5670	,6599	,0669	,9101	5479	— 3,20	—	+ 5,86
2861	28 17 15,18	11,577	—7,6990	+9,4375	—1,0636	+9,9118	5488	— 1,79	—	— 2,48
2862	44 54 17,58	11,538	—9,4314	,6091	,0621	,9126	5489	— 0,49	—	— 3,13
2863	58 33 53,51	11,481	—9,6749	,6892	,0600	,9136	5492	— 2,21	—	+ 2,45
2864	53 45 2,16	11,442	—9,6085	,6633	,0585	,9143	5496	— 3,78	—	+ 4,61
2865	33 37 43,30	11,328	—8,9823	,4958	,0541	,9164	5509	— 2,74	—	+ 0,24
2866	59 41 31,73	11,313	—9,6937	+9,6878	—1,0536	+9,9167	5507	— 2,97	— 2,75	— 3,89
2867	29 23 41,62	11,308	—8,4314	,4427	,0534	,9168	5511	— 2,53	—	— 4,43
2868	50 45 14,61	11,283	—9,5635	,6396	,0525	,9172	5512	— 2,40	—	+ 0,46
2869	53 0 1,01	11,274	—9,5999	,6526	,0521	,9174	5513	— 2,56	—	+ 0,98
2870	49 51 16,12	11,250	—9,5478	,6326	,0512	,9178	5515	— 1,33	—	— 3,13
2871	59 43 14,93	11,158	—9,6981	+9,6820	—1,0476	+9,9194	5520	— 2,75	—	0,00
2872	42 54 44,51	11,163	—9,3927	,5791	,0478	,9193	5522	— 2,04	—	+ 3,48
2873	24 55	11,144	+8,6335	,3702	,0470	,9197	5525	—	—	—
2874	56 20 34,42	10,954	—9,6599	,6580	,0396	,9229	5537	— 3,28	—	— 0,80
2875	43 36 32,50	10,940	—9,4216	,5758	,0390	,9232	5541	+ 0,54	—	+ 0,21
2876	53 33 12,91	10,925	—9,6191	+9,6420	—1,0384	+9,9234	5542	— 1,80	—	— 1,27
2877	41 16 41,73	10,846	—9,3598	,5529	,0353	,9247	5548	— 1,25	—	+ 1,62
2878	54 6 47,35	10,843	—9,6314	,6418	,0351	,9248	5547	— 1,91	—	+ 7,65
2879	32 32 46,43	10,807	—8,9395	,4628	,0337	,9254	5550	— 3,67	—	— 0,18
2880	56 23 22,52	10,768	—9,6646	,6508	,0321	,9260	5553	— 3,21	—	+ 1,01

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
2881	Lupi	7.8	2	15 49 51,96	+3,738	—8,6194	—8,8157	+0,5726	+8,3276
2882	Normæ	6.7	1	50 8,03	4,446	,7509	8,9487	,6480	,6395
2883	Tri. Aust.	8	1	50 11,70	5,025	,8542	9,0523	,7012	,7920
2884	Normæ	7	2	51 11,15	4,096	,6804	8,8823	,6124	,5080
2885	——	8	2	52 0,42	4,588	,7703	8,9759	,6616	,6742
2886	Normæ	7.8	2	52 29,32	4,746	—8,7968	—9,0047	+0,6763	+8,7149
2887	Lupi	7.8	2	52 53,27	3,915	,6406	8,8496	,5927	,4170
2888	Normæ	8	2	53 6,04	4,404	,7320	8,9422	,6438	,6136
2889	Lupi	7.8	2	54 2,79	3,991	,6505	8,8646	,6011	,4493
2890	Normæ	7	2	54 37,72	4,747	,7887	9,0057	,6764	,7061
2891	Scorpii	8	2	54 37,82	3,688	—8,5954	—8,8118	+0,5688	+8,2741
2892	Lupi	7	2	55 42,59	4,030	,6516	,8728	,6053	,4598
2893	Normæ	7.8	2	55 45,01	4,340	,7100	,9315	,6375	,5811
2894	——	7	2	55 54,13	4,569	,7522	,9742	,6598	,6525
2895	Lupi	5.6	2	56 6,41	3,912	,6285	,8515	,5924	,4016
2896	Normæ	5.6	1	56 12,31	4,868	—8,8038	—9,0274	+0,6873	+8,7299
2897	——	7.8	1	56 18,08	4,260	,6929	8,9167	,6294	,5505
2898	——	7	1	56 22,82	4,746	,7818	9,0062	,6763	,6985
2899	Lupi	7	2	56 46,33	3,912	,6263	8,8521	,5924	,3989
2900	Normæ	8	1	56 54,37	4,774	,7843	9,0113	,6789	,7031
2901	Normæ	7.8	2	57 59,92	4,754	—8,7768	—9,0081	+0,6771	+8,6936
2902	——	7.8	2	59 3,26	3,780	,5951	8,8307	,5775	8,3152
2903	——	7	2	59 17,06	4,452	,7173	8,9541	,6486	8,6024
2904	——	7	2	59 21,61	3,797	,5969	8,8337	,5794	8,3239
2905	——	7	3	59 22,38	4,028	,6379	8,8750	,6051	9,4434
2906	Normæ	6.7	2	59 27,03	4,655	—8,7536	—8,9913	+0,6679	+8,6612
2907	——	6.7	1	59 38,09	3,823	,6002	8,8384	,5824	,3378
2908	——	—	—	59	4,895	,7934	9,0331	,6897	,7200
2909	——	8	1	16 0 24,93	4,065	,6407	8,8825	,6091	,4550
2910	——	7.8	2	0 31,50	4,661	,7503	8,9926	,6685	,6580
2911	Normæ	—	—	0	4,890	—8,7896	—9,0325	+0,6893	+8,7157
2912	——	8	3	0 53,67	4,900	,7901	9,0342	,6902	,7167
2913	——	6	1	0 55,12	4,678	,7520	8,9958	,6701	,6611
2914	——	7.8	2	1 18,87	4,428	,7047	8,9506	,6462	,5856
2915	——	7	2	2 20,95	4,386	,6930	8,9433	,6421	,5677
2916	Normæ	6.7	4	2 39,21	4,898	—8,7827	—9,0344	+0,6900	+8,7087
2917	——	6	2	3 40,03	4,320	,6757	8,9316	,6355	,5395
2918	——	—	—	4	4,908	,7783	9,0366	,6909	,7045
2919	——	7.8	2	4 10,68	4,023	,6188	8,8772	,6045	,4199
2920	——	6.7	2	4 14,10	4,645	,7322	8,9911	,6670	,6369
2921	Normæ	6.7	2	4 17,85	4,140	—8,6398	—8,8987	+0,6170	+8,4695
2922	——	—	—	4	4,137	,6392	8,8981	,6167	,4682
2923	——	7	2	4 31,87	4,639	,7298	8,9903	,6664	,6339
2924	——	8	4	4 40,95	4,908	,7760	9,0367	,6909	,7021
2925	——	7	2	5 0,93	4,151	,6389	8,9011	,6181	,4705

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*		M.C.	T.	
	° ′ ″	″						s.	s.	″
2881	30 42 16,99	—10,758	—8,7634	+9,4381	—1,0317	+9,9262	5556	— 3,95	—	— 4,09
2882	50 39 43,27	10,734	—9,5775	,6174	,0307	,9266	5558	— 2,01	—	— 0,08
2883	60 2 35,80	10,728	—9,7118	,6664	,0305	,9267	5557	— 2,57	— 3,52	— 3,29
2884	42 14 9,20	10,659	—9,3944	,5534	,0277	,9278	5561	— 1,77	—	— 1,95
2885	53 15 24,83	10,595	—9,6232	,6271	,0251	,9288	5566	—	— 1,95	+ 1,69
2886	55 53 26,88	10,556	—9,6637	+9,6396	—1,0235	+9,9294	5568	— 1,60	—	— 1,78
2887	36 40 52,26	10,536	—9,2041	,4972	,0227	,9297	5573	— 3,23	—	—10,09
2888	49 33 55,12	10,516	—9,5647	,6015	,0218	,9301	5574	— 3,18	—	+ 0,57
2889	38 59 7,31	10,446	—9,3010	,5159	,0190	,9311	5575	— 2,04	—	+ 0,26
2890	55 44 55,85	10,397	—9,6646	,6324	,0169	,9319	5577	— 2,13	—	— 3,01
2891	28 28 58,50	10,407	—8,4314	+9,3940	—1,0173	+9,9318	5579	— 1,96	—	+ 4,15
2892	40 0 32,11	10,322	—9,3385	,5201	,0138	,9331	5587	— 2,79	—	— 6,99
2893	47 58 50,58	10,317	—9,5403	,5827	,0135	,9331	5585	— 1,48	—	+ 5,74
2894	52 38 21,86	10,307	—9,6222	,6116	,0131	,9333	5588	— 2,91	—	+ 5,10
2895	36 21 37,51	10,292	—9,2041	,4836	,0125	,9335	5591	— 2,08	— 3,37	— 0,85
2896	57 29 40,56	10,282	—9,6911	+9,6362	—1,0121	+9,9337	5590	— 2,04	—	— 1,69
2897	46 5 3,53	10,278	—9,5024	,5676	,0119	,9337	5595	— 1,76	—	— 1,26
2898	55 37 23,36	10,268	—9,6665	,6262	,0114	,9339	5594	— 1,81	—	— 5,61
2899	36 18 52,97	10,242	—9,2014	,4811	,0104	,9343	5598	— 0,28	—	— 0,72
2900	56 1 33,51	10,222	—9,6730	,6263	,0095	,9346	5597	+ 0,94	—	+ 3,09
2901	55 38 28,69	10,147	—9,6693	+9,6212	—1,0063	+9,9357	5602	— 2,58	—	— 1,94
2902	31 39 17,04	10,071	—8,9294	,4213	,0031	,9368	5608	— 1,34	—	— 6,29
2903	50 6 59,66	10,050	—9,5866	,5854	,0022	,9371	5609	— 2,04	—	— 1,71
2904	32 12 58,97	10,050	—8,9731	,4273	,0022	,9371	5613	— 2,28	— 3,05	+ 0,90
2905	39 41 54,30	10,046	—9,3404	,5055	,0020	,9372	5612	— 3,14	—	— 1,63
2906	53 55 29,30	10,037	—9,6484	+9,6072	—1,0015	+9,9373	5610	— 2,40	—	+ 5,30
2907	33 6 51,81	10,026	—9,0414	,4368	1,0011	,9375	5614	— 2,91	—	— 1,84
2908	57 37	10,000	—9,6990	,6248	1,0000	,9378	5615	—	—	—
2909	40 41 20,56	9,965	—9,3747	,5109	0,9985	,9383	5621	— 2,38	— 3,10	— 3,75
2910	53 56 12,96	9,955	—9,6503	,6038	0,9980	,9385	5619	— 2,10	—	— 2,69
2911	57 29	9,945	—9,6981	+9,6218	—0,9976	+9,9386	5622	—	—	—
2912	57 37 9,10	9,924	—9,7007	,6215	,9967	,9389	5626	— 2,83	—	— 4,29
2913	54 12 28,41	9,929	—9,6544	,6041	,9969	,9388	5627	— 3,64	—	+ 1,96
2914	49 27 47,06	9,894	—9,5786	,5744	,9954	,9393	5630	— 1,72	—	+ 0,06
2915	48 30 50,26	9,818	—9,5635	,5648	,9920	,9404	5633	— 2,02	—	+ 4,15
2916	57 29 44,82	9,792	—9,7007	+9,6150	—0,9909	+9,9408	5634	— 2,49	—	— 1,88
2917	46 57 24,15	9,721	—9,5353	,5497	,9877	,9417	5637	— 2,34	— 2,42	— 3,86
2918	57 29	9,680	—9,7041	,6102	,9859	,9423	5639	—	—	—
2919	39 12 48,04	9,680	—9,3385	,4850	,9859	,9423	5645	— 2,77	—	— 0,18
2920	53 24 0,36	9,670	—9,6474	,5882	,9854	,9424	5643	— 1,93	—	+ 5,00
2921	42 29 12,49	9,670	—9,4346	+9,5132	—0,9854	+9,9424	5646	— 2,69	— 2,75	+ 4,97
2922	42 24	9,670	—9,4330	,5125	,9854	,9424	5647	—	—	—
2923	53 16 55,54	9,645	—9,6474	,5864	,9843	,9428	5648	— 0,39	—	— 0,84
2924	57 29 51,11	9,640	—9,7041	,6082	,9840	,9429	5649	— 3,61	—	— 2,68
2925	42 42 53,36	9,614	—9,4409	,5126	,9829	,9432	5656	— 0,16	—	+ 5,40

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
2926	Normæ	7	2	16 5 21,45	+4,634	—8,7257	—8,9897	+0,6660	+8,6290
2927	———	7.8	2	5 39,13	4,912	,7725	9,0378	,6913	,6987
2928	———	7.8	2	6 41,20	4,694	,7311	9,0008	,6715	,6397
2929	———	—	—	6	4,423	,6823	8,9520	,6457	,5601
2930	———	8.9	1	8 16,71	4,726	,7298	9,0068	,6745	,6406
2931	Scorpii	5.6	2	8 22,78	3,702	—8,5481	—8,8254	+0,5684	+8,2228
2932	Normæ	6.7	2	8 52,55	4,587	,7027	8,9825	,6615	,5997
2933	———	7	1	9 5,77	4,769	,7335	9,0145	,6784	,6477
2934	———	6·7	1	9 42,71	4,376	,6613	8,9448	,6411	,5311
2935	———	6	2	10 32,20	4,444	,6700	8,9575	,6478	,5490
2936	Normæ	7.8	3	10 42,90	4,123	—8,6110	—8,8991	+0,6152	+8,4332
2937	———	6	2	11 14,02	4,198	,6224	8,9130	,6230	,4604
2938	———	8.9	1	11 29,40	4,758	,7212	9,0134	,6774	,6338
2939	———	9	2	11 40,46	4,732	,7117	9,0092	,6750	,6215
2940	———	7.8	2	12 30,28	3,969	,5754	8,8726	,5987	,3553
2941	Normæ	7	2	13 28,21	4,263	—8,6246	—8,9259	+0,6297	+8,4739
2942	———	6.7	1	13 48,68	4,964	,7454	9,0487	,6958	,6727
2943	———	6.7	2	13 52,45	3,976	,5717	8,8746	,5994	,3532
2944	———	6.7	1	14 47,97	5,004	,7475	9,0555	,6993	,6770
2945	———	7	1	15 4,13	4,385	,6399	8,9488	,6420	,5088
2946	Scorpii	7	2	15 24,56	3,810	—8,5373	—8,8475	+0,5809	+8,2580
2947	Normæ	6	2	15 28,45	4,364	,6344	8,9452	,6399	,4999
2948	———	7	2	16 26,02	4,309	,6203	8,9357	,6344	,4765
2949	———	7	2	16 26,77	4,949	,7312	9,0469	,6945	,6568
2950	———	7.8	1	17 26,56	4,251	,6055	8,9257	,6285	,4509
2951	Normæ	6	1	17 35,28	3,971	—8,5551	—8,8760	+0,5989	+8,3329
2952	———	7	2	17 52,23	4,616	,6686	8,9910	,6643	,5656
2953	———	6.7	4	18 7,46	4,314	,6135	8,9373	,6349	,4697
2954	———	6.7	2	18 39,30	4,110	,5746	8,9010	,6138	,3895
2955	———	7	2	21 3,44	4,672	,6633	9,0016	,6695	,5649
2956	Normæ	7.8	2	22 20,30	4,490	—8,6257	—8,9704	+0,6522	+8,5063
2957	———	7.8	1	22 42,79	4,704	,6609	9,0076	,6725	,5651
2958	———	—	—	23	4,475	,6180	8,9680	,6508	,4962
2959	———	7	1	23 39,26	4,285	,5834	8,9345	,6319	,4322
2960	———	6.7	1	23 49,42	4,571	,6330	8,9851	,6600	,5230
2961	Normæ	8.9	1	24 37,70	4,204	—8,5643	—8,9205	+0,6237	+8,3971
2962	Aræ	7.8	2	25 39,12	5,023	,6994	9,0611	,7010	,6274
2963	Normæ	5.6	1	25 51,32	3,924	,5103	8,8727	,5937	,2682
2964	———	7.8	2	26 7,06	3,945	,5126	8,8764	,5960	,2775
2965	———	7.8	2	27 51,84	4,750	,6438	9,0170	,6767	,5507
2966	Normæ	7	2	28 8,21	4,410	—8,5837	—8,9583	+0,6444	+8,4511
2967	———	6.7	2	28 23,96	3,993	,5096	,8856	,6013	,2880
2968	———	7.8	2	28 24,10	4,598	,6152	,9912	,6626	,5067
2969	———	8	2	28 57,89	4,595	,6117	,9909	,6623	,5027
2970	———	7	3	28 47,21	4,459	,5875	,9674	,6492	,4616

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a′	b′	c′	d′		M.C.	T.	
	° ′ ″	″						s.	s.	″
2926	53 8 51,60	— 9,583	—9,6464	+9,5829	—0,9815	+9,9436	5659	— 1,36	—	— 0,93
2927	57 29 44,18	9,563	,7059	,6048	,9806	,9439	5662	— 2,96	— 3,40	+ 0,24
2928	54 6 26,97	9,486	,6628	,5837	,9771	,9449	5664	— 6,03	—	+ 0,55
2929	49 0	9,486	,5798	,5530	,9771	,9449	5665	—	—	—
2930	54 31 4,53	9,362	,6702	,5803	,9714	,9465	5679	— 2,45	—	— 2,79
2931	28 12 32,01	9,357	—8,5563	+9,3439	—0,9711	+9,9466	5681	— 0,49	—	— 0,07
2932	52 4 30,05	9,316	9,6345	,5643	,9692	,9471	5682	— 1,63	—	+ 0,17
2933	55 9 30,80	9,295	,6803	,5805	,9683	,9474	5684	— 2,40	—	— 6,12
2934	47 47 40,20	9,254	,5635	,5342	,9663	,9479	5687	— 1,72	— 2,47	+ 4,02
2935	49 10 53,61	9,187	,5899	,5403	,9632	,9488	5692	— 2,16	— 2,93	+ 3,96
2936	41 36 44,33	9,176	—9,4249	+9,4830	—0,9627	+9,9489	5694	— 2,88	—	+ 2,70
2937	43 31 22,06	9,135	,4742	,4969	,9607	,9494	5699	— 0,86	—	+ 4,77
2938	54 50 0,68	9,109	,6794	,5701	,9595	,9498	5700	— 2,25	—	+ 5,14
2939	54 20 31,28	9,021	,6749	,5632	,9552	,9508	5704	+57,78	—	— 1,35
2940	37 2 17,63	9,025	,2833	,4335	,9555	,9508	5705	+ 6,01	—	— 4,48
2941	44 58 14,44	8,958	—9,5119	+9,4996	—0,9522	+9,9516	5713	— 2,35	— 1,73	— 5,63
2942	57 44 35,94	8,927	,7202	,5760	,9507	,9520	5715	— 1,51	—	+ 2,67
2943	37 11 8,50	8,932	,2900	,4305	,9509	,9519	5718	— 1,75	— 2,83	— 1,67
2944	58 13 31,84	8,848	,7283	,5745	,9469	,9529	5720	— 2,31	— 2,96	+ 3,66
2945	47 40 9,79	8,832	,5705	,5131	,9461	,9531	5722	— 2,82	—	+ 4,59
2946	31 41 59,46	8,812	—9,0128	+9,3639	—0,9450	+9,9533	5724	— 0,91	—	— 0,22
2947	47 10 55,56	8,801	,5611	,5082	,9445	,9535	5723	— 2,24	— 2,47	— 0,88
2948	45 52 49,17	8,728	,5366	,4952	,9409	,9543	5730	— 2,07	—	+ 4,17
2949	57 23 25,22	8,722	,7193	,5643	,9406	,9544	5728	— 2,38	—	— 3,30
2950	44 26 49,93	8,649	,5079	,4804	,9370	,9552	5734	— 3,01	—	+ 0,81
2951	36 48 44,96	8,638	—9,2856	+9,4123	—0,9364	+9,9554	5736	— 0,89	—	+ 0,34
2952	52 4 42,65	8,612	,6484	,5302	,9351	,9557	5737	— 2,19	—	+ 0,24
2953	45 52 50,01	8,591	,5403	,4883	,9340	,9559	5738	— 1,45	—	+ 2,32
2954	40 44 54,56	8,549	,4183	,4449	,9319	,9564	5739	— 0,25	—	— 0,40
2955	52 50 48,80	8,359	,6646	,5218	,9221	,9585	5746	— 1,47	—	+ 0,71
2956	49 25 21,52	8,258	—9,6128	+9,4955	—0,9169	+9,9596	5750	— 0,58	—	— 0,07
2957	53 18 5,93	8,226	,6739	,5174	,9152	,9600	5751	— 3,53	—	+ 7,05
2958	49	8,173	,6085	,4887	,9124	,9605	5753	—	—	—
2959	44 53 57,30	8,157	,5289	,4585	,9115	,9607	5754	— 2,43	— 3,51	— 2,42
2960	50 53 53,35	8,141	,6385	,4987	,9107	,9608	5755	— 2,00	—	— 0,94
2961	42 52 14,46	8,077	—9,4843	+9,4381	—0,9072	+9,9615	5758	— 3,24	—	+ 5,36
2962	57 54 42,54	7,991	,7372	,5287	,9026	,9624	5763	— 1,62	—	— 1,44
2963	34 55 11,03	7,981	,2279	,3580	,9020	,9625	5767	— 3,31	— 1,44	— 6,47
2964	35 34 52,73	7,960	,2577	,3638	,9009	,9627	5769	— 1,28	—	— 4,38
2965	53 48 36,66	7,815	,6875	,4979	,8929	,9642	5778	— 4,79	—	+ 5,00
2966	47 27 15,36	7,793	—9,5866	+9,4572	—0,8917	+9,9644	5781	+ 0,26	—	+ 5,68
2967	36 53 15,02	7,772	,3139	,3670	,8905	,9646	5783	— 1,13	—	— 2,21
2968	51 9 32,91	7,772	,6493	,4801	,8905	,9646	5782	— 3,07	— 3,55	+ 2,21
2969	51 4 28,65	7,723	,6484	,4769	,8878	,9651	5785	— 1,92	—	— 1,43
2970	48 25 53,35	7,712	,6053	,4594	,8872	,9652	5789	+17,90	—	+ 3,97

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	S.				
2971	Normæ	7	3	16 29 16,08	+ 4,411	—8,5783	—8,9590	+0,6445	+8,4455
2972	———	6	3	29 23,44	4,460	,5863	8,9676	,6493	,4694
2973	φ ———	7	1	29 35,41	4,505	,5932	8,9756	,6537	,4732
2974	Aræ	7	2	29 36,60	4,759	,6365	9,0189	,6775	,5437
2975	Normæ	7.8	2	30 16,34	4,306	,5549	8,9409	,6341	,4047
2976	Normæ	7	2	31 25,69	4,340	—8,5551	—8,9473	+0,6375	+8,4103
2977	———	7	1	31 47,74	3,994	,4935	8,8874	,6014	,2706
2978	Y Aræ	7	1	32 2,71	4,704	,6146	9,0104	,6725	,5161
2979	Sorpii	6	1	32 40,94	4,140	,5138	8,9129	,6170	,3291
2980	Aræ	6.7	1	32 44,73	5,070	,6704	9,0702	,7050	,5997
2981	Scorpii	6	1	32 49,10	4,140	—8,5131	—8,9130	+0,6170	+8,3285
2982	Aræ	6.7	2	33 44,03	5,062	,6641	9,0690	,7043	,5927
2983	Normæ	7	2	34 24,12	4,367	,5445	8,9532	,6402	,4031
2984	Scorpii	7	2	35 24,96	4,164	,5039	8,9182	,6195	,3236
2985	———	9	2	35 32,94	3,746	,4352	8,8503	,5736	,1146
2986	Z Aræ	5.6	2	36 0,27	5,125	—8,6613	—9,0794	+0,7091	+8,5932
2987	Scorpii	7	2	36 5,05	4,088	,4873	8,9054	,6115	,2885
2988	———	7	2	36 12,87	4,173	,5013	8,9201	,6204	,3227
2989	Aræ	7	1	36 17,10	4,704	,5920	9,0116	,6725	,4923
2990	Normæ	7	2	36 26,72	4,345	,5301	8,9501	,6380	,3844
2991	Scorpii	7	1	37 29,55	3,997	—8,4646	—8,8907	+0,6017	+8,2400
2992	Normæ	7	1	38 24,58	4,549	,5543	8,9858	,6579	,4371
2993	Aræ	8	2	40 24,46	4,938	,6077	9,0510	,6935	,5268
2994	Scorpii	5.6	2	40 25,36	4,159	,4760	8,9193	,6190	,2925
2995	———	6.7	1	41 6,83	4,184	,4767	8,9239	,6216	,2987
2996	Aræ	7.8	2	41 8,42	4,811	—8,5828	—9,0304	+0,6822	+8,4916
2997	Scorpii	6.7	2	41 12,66	4,230	,4838	8,9318	,6263	,3152
2998	———	7	2	41 22,24	4,141	,4678	8,9167	,6171	,2799
2999	———	7.8	1	41 34,99	4,183	,4738	8,9238	,6215	,2952
3000	Aræ	8	2	41 49,68	4,921	,5963	9,0484	,6920	,5138
3001	Scorpii	7	2	41 48,94	4,029	—8,4463	—8,8979	+0,6052	+8,2290
3002	Aræ	6.7	1	42 21,44	4,542	,5308	8,9857	,6572	,4115
3003	Scorpii	6	2	42 22,11	4,235	,4782	8,9330	,6268	,3102
3004	Aræ	7.8	—	42	5,242	,6374	9,0984	,7195	,5743
3005	———	6.7	1	43 49,98	4,596	,5315	8,9954	,6624	,4184
3006	Scorpii	—	—	43	4,138	—8,4533	—8,9171	+0,6168	+8,2637
3007	———	6	2	44 12,77	4,249	,4695	8,9362	,6283	,3037
3008	———	6.7	2	45 9,60	4,146	,4467	8,9188	,6176	,2583
3009	———	7	3	45 49,78	4,141	,4420	8,9183	,6171	,2523
3010	Aræ	6	1	45 58,47	4,600	,5189	8,9965	,6628	,4056
3011	Aræ	7	2	45 59,77	5,183	—8,6123	—9,0901	+0,7146	+8,5459
3012	———	7.8	1	46 53,22	4,091	,4272	8,9103	,6118	,2248
3013	———	7	1	47 0,67	4,610	,4976	8,9816	,6542	,3730
3014	———	7	1	47 46,64	4,975	,5687	9,0583	,6968	,4889
3015	———	7.8	1	48 2,25	5,160	,5965	9,0869	,7126	,5283

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
2971	47 25 23,35	− 7,702	−9,5866	+9,4518	−0,8866	+9,9653	5790	− 1,82	—	+ 1,96
2972	48 26 25,74	7,691	,6053	,4582	,8860	,9654	5792	− 2,35	—	+ 3,25
2973	49 19 48,15	7,675	,6212	,4632	,8851	,9656	5794	− 2,93	− 1,80	+ 5,80
2974	53 51 11,58	7,675	,6902	,4904	,8851	,9656	5793	− 2,42	—	+ 5,70
2975	45 2 46,95	7,621	,5403	,4299	,8820	,9661	5799	− 1,99	—	− 4,56
2976	45 45 19,34	7,629	−9,5575	+9,4300	−0,8767	+9,9670	5805	− 2,75	—	− 0,64
2977	36 45 36,09	7,502	,3160	,3504	,8752	,9672	5807	− 1,79	—	− 3,58
2978	52 50 25,42	7,475	,6785	,4732	,8736	,9675	5808	− 2,83	− 4,53	+ 0,94
2979	40 48 24,05	7,426	,4456	,3842	,8708	,9679	5812	− 2,10	—	− 3,51
2980	58 11	7,416	,7482	,4976	,8701	,9680	5811	− 2,19	—	—
2981	40 48 6,29	7,416	−9,4456	+9,3836	−0,8701	+9,9680	5813	− 1,90	—	+ 1,79
2982	58 2 11,70	7,339	9,7474	,4924	,8657	,9687	5815	− 2,88	− 4,45	+ 4,95
2983	46 13 34,77	7,285	9,5717	,4192	,8624	,9692	5822	− 1,43	—	+ 1,12
2984	41 18 33,46	7,204	9,4624	,3753	,8576	,9700	5824	− 1,04	—	− 0,16
2985	28 32 12,20	7,193	8,8129	,2343	,8569	,9700	5827	− 1,08	—	+ 1,76
2986	58 44 40,11	7,149	−9,7589	+9,4843	−0,8543	+9,9704	5828	− 2,36	− 2,51	+ 3,75
2987	39 14 0,83	7,149	,4065	,3535	,8543	,9704	5831	− 2,69	—	− 1,36
2988	41 30 37,34	7,138	,4683	,3731	,8536	,9705	5834	− 1,82	—	− 4,20
2989	52 38 39,29	7,127	,6812	,4514	,8529	,9706	5833	− 1,68	—	+ 1,55
2990	45 38 51,59	7,122	,5623	,4050	,8526	,9707	5837	− 2,18	—	+ 0,11
2991	36 35 21,46	7,035	−9,3222	+9,3207	−0,8473	+9,9714	5841	− 2,19	—	+ 1,80
2992	49 45 23,96	6,958	,6395	,4233	,8425	,9721	5844	− 1,82	—	− 2,45
2993	56 5 35,41	6,793	,7316	,4493	,8321	,9735	5854	− 2,70	—	+ 2,12
2994	40 56 52,23	6,793	,4594	,3467	,8321	,9735	5857	− 2,23	—	− 2,47
2995	41 34 25,69	6,739	,4771	,3487	,8286	,9739	5861	− 2,09	—	+ 3,42
2996	54 9 36,74	6,734	−9,7067	+9,4352	−0,8283	+9,9740	5859	− 2,36	—	+ 0,46
2997	42 42 37,93	6,728	,5051	,3574	,8279	,9740	5862	− 1,89	—	+ 5,01
2998	40 26 38,38	6,717	,4487	,3374	,8272	,9741	5863	− 2,65	—	− 4,27
2999	41 30 24,85	6,701	,4771	,3456	,8261	,9743	5865	− 3,87	—	+ 1,32
3000	55 46 19,95	6,673	,7292	,4399	,8243	,9745	5866	− 2,20	− 2,62	− 1,18
3001	37 19 10,44	6,678	−9,3560	+9,3056	−0,8247	+9,9744	5867	− 0,86	—	− 3,46
3002	49 26 11,13	6,635	,6385	,4006	,8218	,9748	5870	− 2,03	—	− 0,79
3003	42 46 26,23	6,635	,5079	,3519	,8218	,9748	5871	− 0,81	—	+ 0,70
3004	59 50	6,552	,7774	,4513	,8164	,9754	5877	—	—	—
3005	50 24 26,03	6,514	,6561	,3988	,8138	,9758	5882	− 2,81	− 1,14	− 4,31
3006	40 15	6,514	−9,4472	+9,3224	−0,8138	+9,9758	5883	—	—	—
3007	43 2 47,08	6,475	,5172	,3435	,8112	,9761	5887	+ 3,77	—	− 0,12
3008	40 23 42,80	6,403	,4533	,3161	,8064	,9766	5891	− 1,95	—	− 4,10
3009	40 15 1,13	6,348	,4502	,3110	,8026	,9770	5896	− 1,72	—	− 3,07
3010	50 22 47,87	6,331	,6580	,3863	,8015	,9772	5897	− 1,81	− 3,03	− 2,37
3011	59 3 59,42	6,331	−9,7723	+9,4329	−0,8015	+9,9772	5895	− 2,56	—	+ 1,61
3012	48 51 21,19	6,260	,4116	,2922	,7965	,9777	5903	− 2,62	—	+ 1,10
3013	48 37 3,68	6,248	,6294	,3692	,7958	,9778	5904	− 2,12	—	+ 2,87
3014	56 18 6,57	6,176	,7404	,4090	,7907	,9783	5909	—	—	+ 4,56
3015	58 47 48,31	6,165	,7701	,4198	,7896	,9784	5911	− 2,49	—	+ 4,90

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s.				
3016	Scorpii	6.7	2	16 48 3,49	+ 4,039	—8,4113	—8,9021	+0,6063	+8,1944
3017	Aræ	8.9	2	49 7,07	4,987	,5626	9,0604	,6978	,4837
3018	Scorpii	7.8	2	49 36,01	4,053	,4041	8,9050	,6078	,1906
3019	Aræ	6	1	50 23,34	4,761	,5182	9,0243	,6777	,4205
3020	———	7	1	51 12,18	4,491	,4681	8,9796	,6523	,3398
3021	Scorpii	7	1	51 13,13	4,328	—8,4404	—8,9519	+0,6363	+8,2869
3022	———	—	—	51	4,328	,4399	,9519	,6363	,2865
3023	———	7	2	52 10,54	4,048	,3874	,9052	,6072	,1717
3024	———	7.8	2	52 24,79	4,299	,4277	,9474	,6334	,2688
3025	———	6	2	53 5,57	4,054	,3827	,9065	,6079	,1683
3026	Aræ	8.9	2	53 10,92	4,429	—8,4448	—8,9695	+0,6463	+8,3072
3027	Normæ	6.7	1	53 25,40	4,361	,4316	8,9582	,6396	,2832
3028	Aræ	8	1	53 28,36	5,238	,5720	9,0995	,7192	,5071
3029	Scorpii	6	2	54 17,28	4,301	,4156	8,9482	,6336	,2565
3030	———	7	1	54 58,01	4,018	,3640	8,9013	,6040	,1385
3031	Scorpii	7	2	55 8,79	4,013	—8,3618	—8,9005	+0,6035	+8,1348
3032	Aræ	7.8	1	55 30,03	4,429	,4291	,9702	,6463	,2908
3033	———	7	1	55 46,92	4,420	,4253	,9687	,6454	,2856
3034	Scorpii	7	1	55 48,02	4,319	,4081	,9516	,6354	,2517
3035	———	7.8	1	56 24,86	4,257	,3940	,9413	,6291	,2259
3036	Scorpii	7.8	2	57 6,46	4,179	—8,3764	—8,9285	+0,6211	+8,1917
3037	Aræ	7.8	2	58 29,59	4,426	,4123	8,9703	,6460	,2732
3038	———	7.8	2	57 59,84	4,440	,4132	8,9727	,6474	,2761
3039	Scorpii	5.6	2	59 7,51	4,329	,3863	8,9542	,6364	,2308
3040	Aræ	7	2	59 10,06	5,165	,5209	9,0892	,7131	,4512
3041	Aræ	7.8	1	59 24,97	4,791	—8,4605	—9,0310	+0,6804	+8,3638
3042	———	7.8	1	59 31,04	4,403	,3964	8,9668	,6437	,2532
3043	———	9	1	59 57,41	4,888	,4722	9,0467	,6891	,3837
3044	———	7.8	1	17 0 25,98	5,028	,4905	9,0685	,7014	,4121
3045	———	6.7	1	0 44,41	5,035	,4892	9,0698	,7020	,4113
3046	Scorpii	6.7	2	1 13,73	4,126	—8,3373	—8,9210	+0,6155	+8,1389
3047	Aræ	7.8	1	1 36,19	4,462	,3903	8,9771	,6495	,2554
3048	Scorpii	6.7	2	4 40,93	4,096	,3057	8,9170	,6124	,0987
3049	———	6.7	1	5 27,46	4,349	,3417	8,9591	,6384	,1881
3050	Aræ	6.7	1	9 9,09	5,142	,4372	9,0873	,7111	,3649
3051	Aræ	6.7	2	9 39,39	5,029	—8,4153	—9,0701	+0,7015	+8,3357
3052	———	7	1	9 54,77	5,376	,4643	9,1215	,7305	,4040
3053	———	6	2	11 16,04	4,484	,3140	8,9828	,6517	,1802
3054	Scorpii	7	2	11 45,35	4,076	,2426	8,9157	,6102	,0285
3055	———	7	1	13 2,30	4,370	,2791	8,9642	,6405	,1275
3056	Scorpii	7.8	—	13	4,078	—8,2261	—8,9164	+0,6104	+8,0119
3057	Aræ	7	1	14 16,39	4,733	,3267	9,0240	,6751	,2220
3058	———	7	1	14 45,17	4,657	,3100	9,0118	,6681	,1971
3059	———	7.8	1	15 0,87	5,240	,3970	9,1023	,7193	,3295
3060	———	7	1	15 5,62	4,473	,2764	8,9817	,6506	,1404

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
3016	37 21 49,81	— 6,160	—9,3655	+9,2707	—0,7896	+9,9784	5913	— 0,82	—	— 3,87
3017	56 25 40,87	6,079	,7435	,4021	,7832	,9791	5917	— 2,00	—	— 3,04
3018	37 41 11,91	6,032	,3802	,2650	,7805	,9794	5920	— 2,77	—	+ 1,27
3019	52 59 14,61	5,966	,6998	,3761	,7757	,9798	5921	— 2,44	—	+ 00,9
3020	48 5 43,75	5,898	,6243	,3406	,7707	,9803	5926	— 2,46	—	+ 6,39
3021	44 36 40,96	5,898	—9,5587	+9,3154	—0,7707	+9,9803	5927	— 2,33	—	+ 5,22
3022	44 36	5,893	,5587	,3150	,7703	,9804	5929	—	—	—
3023	37 28 45,35	5,820	,3766	,2473	,7649	,9809	5937	— 2,85	—	— 6,21
3024	43 54 37,66	5,798	,5465	,3025	,7633	,9809	5939	— 3,15	—	+ 4,04
3025	37 36 28,46	5,748	,3820	,2432	,7595	,9814	5942	— 2,29	—	+ 1,02
3026	46 44 8,32	5,737	—9,6031	+9,3191	—0,7587	+9,9814	5941	— 2,15	—	+ 2,00
3027	45 16 3,61	5,714	,5752	,3067	,7570	,9816	5945	— 1,47	—	— 0,33
3028	59 26 13,18	5,703	,7818	,3893	,7561	,9817	5944	— 1,38	—	+ 1,70
3029	43 52 29,36	5,642	,5465	,2903	,7514	,9821	5949	— 2,72	—	+ 3,98
3030	36 29 38,67	5,585	,3463	,2197	,7471	,9824	5953	— 2,98	—	— 5,94
3031	36 21 35,57	5,569	—9,3444	+9,2169	—0,7458	+9,9825	5956	— 1,83	—	— 6,90
3032	46 39 49,16	5,541	,6031	,3034	,7436	,9827	5958	— 4,16	—	+ 2,50
3033	46 27 17,76	5,513	,5999	,2998	,7414	,9829	5959	— 1,07	—	+ 9,46
3034	44 13 56,16	5,513	,5563	,2830	,7414	,9829	5960	— 1,74	—	—51,87
3035	42 45 11,66	5,468	,5237	,2678	,7378	,9832	5961	— 3,66	—	— 0,69
3036	40 48 14,11	5,412	—9,4786	+9,2468	—0,7333	+9,9836	5964	— 3,93	—	+ 5,96
3037	46 31 25,98	5,345	,6021	,2868	,7279	,9840	5968	—40,74	—	+ 3,36
3038	46 48 54,11	5,327	,6085	,2874	,7265	,9841	5969	— 1,54	—	+ 2,52
3039	44 20 34,08	5,232	,5623	,2612	,7187	,9847	5975	— 1,94	—	+ 1,01
3040	58 23 0,76	5,226	,7745	,3466	,7182	,9847	5973	— 3,60	—	+ 4,57
3041	53 9 59,69	5,204	—9,7101	+9,3177	—0,7163	+9,9848	5977	— 2,16	—	+ 3,83
3042	45 58 18,58	5,204	,5933	,2712	,7163	,9848	5978	— 2,58	—	+ 1,66
3043	54 38 42,13	5,159	,7300	,3221	,7125	,9851	5980	— 2,64	—	— 9,45
3044	56 35 49,96	5,119	,7543	,3289	,7092	,9853	5983	— 2,11	—	+ 2,92
3045	56 41 7,25	5,091	,7559	,3270	,7068	,9855	5984	— 1,94	—	+ 3,54
3046	39 17 54,34	5,057	—9,4425	+9,2037	—0,7039	+9,9857	5990	— 2,15	—	— 0,65
3047	47 6 56,80	5,024	,6170	,2642	,7010	,9859	5992	— 2,09	—	+ 6,39
3048	38 22 59,51	4,763	,4210	,1690	,6779	,9874	6005	— 2,07	—	— 5,28
3049	44 35 26,07	4,701	,5740	,2167	,6722	,9877	6010	— 3,03	—	— 0,09
3050	57 50 19,47	4,377	,7745	,2670	,6412	,9894	6035	— 2,55	—	+ 5,44
3051	56 21 25,62	4,332	—9,7581	+9,2552	—0,6367	+9,9896	6037	— 1,57	—	— 0,22
3052	60 30	4,309	,8035	,2722	,6344	,9897	6038	— 2,48	— 4,05	—
3053	47 18 9,58	4,201	,6284	,1877	,6233	,9902	6046	— 2,36	— 2,83	— 1,69
3054	37 38 19,99	4,161	,4031	,1032	,6192	,9904	6049	— 1,53	—	— 0,68
3055	44 51 3,95	4,053	,5843	,1541	,6077	,9910	6057	— 1,92	—	+ 1,90
3056	37 37	4,007	—9,4048	+9,0866	—0,6028	+9,9911	6061	—	—	—
3057	51 47 45,72	3,944	,7007	,1894	,5959	,9914	6063	— 3,26	— 2,78	— 1,17
3058	50 28 44,57	3,904	,6830	,1769	,5915	,9916	6067	— 2,77	— 2,97	+ 1,98
3059	58 53 1,46	3,875	,7896	,2189	,5883	,9917	6069	— 1,93	—	— 1,20
3060	46 59 7,36	3,875	,6243	,1504	,5883	,9917	6073	— 2,09	—	+ 2,79

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
3061	Scorpii	7	2	17 17 26,23	+4,329	—8,2291	—8,9583	+0,6364	+8,0696
3062	——	6.7	2	18 7,12	4,045	,1760	8,9123	,6069	7,9517
3063	Aræ	6.7	2	19 59,56	4,427	,2176	8,9749	,6461	8,0739
3064	——	7.8	2	20 6,01	4,429	,2172	8,9754	,6463	8,0739
3065	——	7	1	21 20,17	5,326	,3421	9,1154	,7264	8,2784
3066	Scorpii	6.7	2	21 51,10	4,216	—8,1626	—8,9405	+0,6249	+7,9799
3067	Aræ	6.7	2	22 6,98	4,553	,2151	8,9961	,6583	8,0890
3068	——	10	2	22 24,50	4,833	,2552	9,0410	,6842	8,1589
3069	Scorpii	7.8	2	23 0,81	4,211	,1477	8,9399	,6244	7,9638
3070	σ Aræ	6.7	2	23 45,42	4,463	,1787	8,9798	,6486	8,0384
3071	Telescopii	5.6	2	24 15,45	3,908	—8,0856	—8,8925	+0,5919	+7,8154
3072	π Aræ	6	1	24 58,46	4,912	,2368	9,0537	,6913	8,1468
3073	Scorpii	5.6	2	25 31,70	4,120	,1027	8,9256	,6149	7,8970
3074	λ Aræ	7	2	28 3,09	4,607	,1479	9,0056	,6634	8,0277
3075	——	7	2	29 17,52	4,480	,1102	8,9849	,6513	7,9731
3076	Aræ	8	2	30 26,06	5,053	—8,1834	—9,0758	+0,7035	+8,1033
3077	μ ——	6.7	2	31 27,17	4,749	,1210	9,0287	,6766	8,0159
3078	——	7.8	2	31 45,98	4,436	,0661	8,9780	,6470	7,9222
3079	——	6.7	1	32 47,67	5,359	,1908	9,1209	,7291	8,1280
3080	Scorpii	6.7	2	33 13,98	4,291	,0189	8,9544	,6325	7,8498
3081	Aræ	10	2	35 6,18	5,530	—8,1749	—9,1449	+0,7427	+8,1194
3082	——	6.7	2	35 18,04	4,989	,0941	9,0665	,6980	8,0093
3083	——	7	2	37 12,59	5,381	,1156	9,1242	,7309	8,0536
3084	ν^1 ——	7	2	37 28,27	4,868	,0355	9,0480	,6873	7,9410
3085	ν^2 ——	7	1	38 15,45	4,839	,0149	9,0434	,6847	7,9177
3086	Aræ	7.8	1	38 24,35	4,885	—8,0193	—9,0506	+0,6888	+7,9261
3087	χ ——	6.7	2	39 54,57	4,425	7,9131	8,9770	,6459	,7667
3088	y Scorpii	6.7	2	41 27,10	4,264	7,8534	8,9510	,6298	,6783
3089	Telescopii	7	1	41 33,95	3,992	7,8071	8,9079	,6012	,5629
3090	Scorpii	—	—	42	4,265	7,8273	8,9512	,6299	,6523
3091	Telescopii	6.7	2	42 43,28	3,996	—7,7779	—8,9086	+0,6016	+7,5349
3092	——	6	2	43 43,02	3,995	,7532	8,9086	,6015	,5100
3093	——	7.8	1	43 49,08	3,982	,7475	8,9065	,6001	,4999
3094	Aræ	6.7	2	44 3,32	5,110	,9189	9,0852	,7084	,8418
3095	o Telescopii	7	2	44 18,82	4,052	,7454	8,9174	,6077	,5191
3096	Telescopii	—	—	44	4,001	—7,7242	—8,9096	+0,6022	+7,4828
3097	——	—	—	45	4,370	,7712	,9684	,6405	,6154
3098	——	7	3	45 26,58	4,002	,7045	,9098	,6023	,4633
3099	——	7	2	45 46,86	4,267	,7340	,9517	,6301	,5591
3100	——	7.8	3	46 35,74	4,266	,7080	,9516	,6300	,5328
3101	Aræ	7.8	1	47 20,38	4,537	—7,7270	—8,9957	+0,6568	+7,5963
3102	Telescopii	6	2	48 3,77	4,067	,6247	8,9200	,6093	,4025
3103	——	6.7	1	48 42,21	4,038	,5970	8,9154	,6062	,3662
3104	——	7	2	50 59,64	4,051	,4956	8,9177	,6076	,2686
3105	——	6.7	2	52 27,83	5,253	,5997	9,1064	,7204	,5308

No.	Declination (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
3061	43 49 47,89	— 3,675	—9,5658	+9,1038	—0,5653	+9,9926	6085	— 1,74	—	+ 6,69
3062	36 38 11,02	3,618	,3784	,0323	,5584	,9928	6088	— 2,89	— 3,27	— 2,03
3063	45 54 15,36	3,451	,6075	,0924	,5380	,9935	6099	— 2,42	—	+ 1,75
3064	45 57 34,06	3,446	,6085	,0920	,5373	,9935	6100	— 3,10	—	+ 4,94
3065	59 43 25,19	3,331	,8007	,1570	,5225	,9939	6105	— 2,55	— 2,54	+ 0,14
3066	41 2 46,98	3,297	—9,5065	+9,0335	—0,5180	+9,9940	6109	— 2,38	—	— 0,42
3067	48 24 17,89	3,274	,6532	,0870	,5151	,9941	6111	— 4,09	— 3,09	+ 2,40
3068	53 13 52,93	3,239	,7243	,1121	,5104	,9942	6114	— 1,41	—	— 0,58
3069	40 54 14,22	3,193	,5024	,0183	,5041	,9944	6118	— 1,92	—	— 1,57
3070	46 23 11,90	3,129	,6191	,0532	,4954	,9946	6121	— 2,54	— 3,09	+ 0,06
3071	32 27 45,36	3,089	—9,2148	+8,9177	—0,4898	+9,9948	6125	—	— 3,12	+ 1,65
3072	54 23 0,68	3,020	,7411	9,0881	,4800	,9950	6127	— 3,59	— 2,16	— 4,85
3073	38 30 45,48	2,980	,4409	8,9665	,4741	,9951	6133	— 2,50	— 2,16	+ 1,70
3074	49 18 26,07	2,755	,6702	9,0180	,4400	,9959	6146	— 2,63	— 2,95	— 1,00
3075	46 49 29,92	2,651	,6294	8,9844	,4233	,9962	6153	— 2,19	— 3,18	+ 2,87
3076	56 15 55,99	2,546	—9,7664	+9,0239	—0,4059	+9,9965	6161	— 2,40	—	— 0,52
3077	51 44 20,31	2,460	,7076	8,9839	,3909	,9967	6166	— 2,28	— 2,18	— 3,69
3078	45 53 4,38	2,436	,6138	8,9409	,3868	,9968	6172	— 2,08	—	+ 1,27
3079	59 54 54,56	2,338	,8069	9,0041	,3689	,9970	6175	— 1,60	— 3,07	+ 0,32
3080	42 38 51,96	2,309	,5490	8,8925	,3635	,9971	6180	— 3,37	— 3,08	+ 1,84
3081	61 38 45,51	2,135	—9,8254	+8,9721	—0,3295	+9,9975	6190	— 2,32	—	+ 3,89
3082	55 20 1,41	2,124	,7566	,9403	,3271	,9975	6193	— 2,08	— 2,69	— 3,06
3083	60 6 12,16	1,955	,8109	,9273	,2913	,9979	6200	— 2,62	— 3,43	— 3,62
3084	53 33 7,90	1,938	,7348	,8909	,2874	,9980	6204	— 2,29	— 2,01	— 8,71
3085	53 4 12,08	1,869	,7283	,8724	,2715	,9981	6208	—	— 2,22	—
3086	53 46 35,64	1,857	—9,7380	+8,8736	—0,2688	+9,9981	6209	— 3,22	—	— 3,85
3087	45 32 43,71	1,713	,6096	,7881	,2364	,9984	6220	— 1,56	— 1,83	— 2,59
3088	41 56 15,55	1,596	,5353	,7260	,2029	,9986	6227	— 2,81	— 3,50	— 2,06
3089	34 44 54,94	1,584	,3343	,6537	,1998	,9986	6228	— 1,57	— 3,43	— 4,24
3090	41 56	1,503	,5353	,6999	,1769	,9988	6233	—	—	—
3091	34 50 59,40	1,480	—9,3304	+8,6251	—0,1701	+9,9988	6238	— 1,97	— 3,51	— 8,30
3092	34 50 12,69	1,398	,3304	,6004	,1455	,9989	6243	— 3,24	—	— 4,10
3093	34 25 30,61	1,386	,3139	,5923	,1419	,9990	6246	— 1,82	—	— 1,38
3094	56 51 34,20	1,363	,7767	,7555	,1345	,9990	6245	— 2,20	—	— 0,98
3095	36 26 7,14	1,346	,3874	,6007	,1289	,9990	6249	— 2,42	— 3,34	— 0,23
3096	34 59	1,305	—9,3365	+8,5723	—0,1156	+9,9991	6250	—	—	—
3097	44 18	1,270	,5866	,6461	,1038	,9991	6253	—	—	—
3098	35 0 49,06	1,247	,3385	,5526	,0958	,9992	6255	— 1,29	—	— 6,38
3099	41 56 41,69	1,212	,5366	,6066	,0834	,9992	6256	— 2,30	—	+ 0,30
3100	41 54 46,06	1,142	,5366	,5806	,0577	,9993	6259	— 1,20	—	+ 5,65
3101	47 44 48,46	1,078	—9,6503	+8,6000	—0,0326	+9,9994	6262	— 3,15	—	+ 2,86
3102	36 50 0,82	1,014	,4014	,4819	0,0060	,9994	6265	— 0,76	—	— 6,67
3103	35 59 53,02	0,961	,3729	,4503	9,9830	,9995	6269	— 1,53	—	— 2,00
3104	36 21 46,02	0,757	,3874	,3506	9,8795	,9997	6281	+ 0,17	—	— 3,54
3105	58 34 4,27	0,623	,7973	,4241	9,7949	,9998	6288	— 2,88	—	+ 3,36

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
3106	Telescopii	6.7	2	17 54 4,44	+4,035	—7,3085	—8,9153	+0,6058	+7,0767
3107	———	7.8	2	54 44,95	4,065	,2472	8,9200	,6091	,0241
3108	———	8	2	54 54,55	4,059	,2341	8,9191	,6084	,0094
3109	Pavonis	7	2	55 33,98	5,584	,3946	9,1529	,7469	,3407
3110	Telescopii	7	1	55 50,25	5,296	,3247	9,1126	,7239	,2579
3111	Telescopii	6.7	2	55 35,44	4,039	—7,1721	—8,9160	+0,6063	+6,9415
3112	———	—	—	56	4,061	7,0733	,9193	,6086	,8489
3113	———	8	1	58 3,39	4,448	6,8766	,9815	,6482	,7329
3114	———	6.7	2	58 31,75	4,063	6,6139	,9197	,6088	,3902
3115	———	7	1	58 59,77	4,528	6,4582	,9945	,6559	,3261
3116	Aræ	7	2	18 0 24,82	4,694	+6,5263	—9,0212	+0,6715	—6,4142
3117	Telescopii	7.8	2	0 59,60	4,005	6,6533	8,9108	,6026	6,4124
3118	———	6	3	3 38,61	5,053	7,3189	9,0770	,7035	7,2379
3119	———	7	3	4 24,99	4,724	7,3411	9,0260	,6743	7,2323
3120	———	7.8	3	5 0,93	4,061	7,2862	8,9193	,6086	7,0617
3121	Pavonis	6.7	3	8 28,79	5,532	+7,7367	—9,1456	+0,7429	—7,6808
3122	———	8	3	8 32,28	5,458	,7266	9,1355	,7370	,6676
3123	Telescopii	8	2	9 49,23	4,067	,5660	8,9202	,6093	,3438
3124	———	9	3	11 23,27	4,977	,7770	9,0649	,6970	,6905
3125	Sagittarii	6	1	12 2,76	4,064	,6460	8,9194	,6089	,4228
3126	Telescopii	—	—	12	5,135	+7,8388	—9,0891	+0,7105	—7,7632
3127	———	—	—	12	4,885	,8097	9,0510	,6889	,7161
3128	———	7	2	16 9,58	5,169	,9546	9,0939	,7134	,8812
3129	———	6·7	2	17 23,31	4,150	,8205	8,9326	,6180	,6201
3130	———	5.6	2	17 53,92	4,512	,8921	8,9913	,6544	,7585
3131	Pavonis	8	2	17 58,05	6,114	+8,1253	—9,2198	+0,7863	—8,0874
3132	Telescopii	7.8	3	19 18,95	4,516	7,9265	8,9919	,6547	7,7936
3133	———	8	2	19 27,80	5,266	8,0470	9,1079	,7215	7,9791
3134	———	8	2	21 21,16	4,912	8,0317	9,0548	,6913	7,9408
3135	———	7.8	1	21 39,29	4,833	8,0247	9,0425	,6842	7,9271
3136	Telescopii	7.8	2	22 6,09	4,800	+8,0222	—9,0373	+0,6812	—7,9215
3137	———	9.10	1	22 55,62	5,254	,1153	,1060	,7205	8,0470
3138	———	7	1	23 12,89	5,064	,0921	,0778	,7045	8,0123
3139	Pavonis	9	2	23 27,25	5,916	,2169	,1953	,7719	8,1741
3140	Telescopii	7.8	2	25 11,51	5,292	,1427	,1115	,7236	8,0765
3141	Telescopii	7.8	3	27 7,74	4,543	+8,0763	—8,9955	+0,6573	—7,9476
3142	———	7	3	29 23,70	4,551	,1121	8,9966	,6581	7,9846
3143	———	7	3	33 24,86	4,701	,1915	9,0205	,6722	8,0821
3144	———	7.8	3	33 29,10	4,558	,1691	8,9972	,6588	8,0430
3145	———	6.7	3	34 34,73	4,656	,1987	9,0131	,6680	8,0845
3146	Telescopii	—	—	34	4,630	+8,1977	—9,0088	+0,6656	—8,0806
3147	———	—	—	34	4,630	,1985	9,0087	,6656	,0814
3148	———	7.8	3	35 5,04	4,629	,2010	9,0087	,6655	,0838
3149	K ———	6	2	39 57,65	4,769	,2806	9,0306	,6784	,1788
3150	Cor. Aust.	8	2	40 31,39	4,370	,2212	8,9653	,6405	,0685

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
3106	35 53 53,37	— 0,495	—9,3692	+8,1613	—9,6950	+9,9999	6297	— 2,29	—	— 3,68
3107	36 45 12,48	0,425	,3980	,1040	,6289	,9999	6299	+ 1,05	—	— 4,94
3108	36 34 47,28	0,414	,3944	,0902	,6169	,9999	6300	— 0,64	—	+ 3,88
3109	62 1 24,38	0,350	,8325	,1879	,5438	,9999	6303	— 2,51	— 1,69	+ 7,69
3110	59 3 3,87	0,326	,8021	,1452	,5138	,9999	6305	— 1,34	—	+ 0,10
3111	36 1 28,74	0,361	—9,3747	+8,0255	—9,5580	+9,9999	6306	— 2,37	—	— 1,83
3112	36 37	0,286	,3944	7,9295	9,4558	0,0000	6309	—	—	—
3113	44 55	0,139	,6191	7,7003	9,1459	0,0000	6314	—	—	—
3114	36 41 14,30	0,099	,3962	7,4704	8,9961	0,0000	6322	— 0,62	—	— 6,08
3115	47 31 52,14	0,058	,6484	7,3316	8,7656	0,0000	6325	— 3,15	— 3,19	— 0,31
3116	50 34 53,04	+ 0,064	—9,6964	—7,3930	+8,8070	+0,0000	6334	— 2,31	— 3,08	— 1,73
3117	35 3 3,84	0,110	,3404	7,5016	9,0444	0,0000	6336	— 1,04	—	—10,24
3118	56 3 47,42	0,350	,7694	8,1608	9,5438	9,9999	6347	— 2,59	— 2,32	— 1,53
3119	51 6 34,67	0,414	,7042	8,2062	9,6169	9,9999	6350	— 4,25	—	+ 1,91
3120	36 36 50,96	0,466	,3944	8,1424	9'6687	9,9999	6355	— 1,86	— 3,05	— 7,52
3121	61 33 18,55	0,781	—9,8274	—8,5348	+9,8926	+9,9997	6366	— 2,99	— 2,85	+ 3,81
3122	60 48 37,76	0,781	,8195	,5318	9,8926	,9997	6368	—	— 3,57	— 1,59
3123	36 50 4,66	0,887	,4024	,4232	9,9479	,9996	6372	— 1,13	—	— 8,15
3124	55 1 41,46	1,031	,7551	,6249	0,0134	,9994	6378	— 0,92	—	—10,07
3125	36 44 12,11	1,067	,3962	,5027	0,0279	,9994	6382	— 3,42	—	+ 0,23
3126	57 10	1,125	—9,7810	—8,6735	+0,0510	+9,9993	6383	—	—	—
3127	53 43	1,148	,7388	,6643	,0599	,9993	6385	—	—	—
3128	57 36 40,84	1,450	,7853	,7861	,1615	,9989	6399	— 0,26	—	— 1,08
3129	39 5 0,76	1,544	,4639	,6862	,1885	,9987	6406	— 2,42	—	— 0,16
3130	47 18 46,61	1,590	,6425	,7658	,2013	,9986	6411	— 2,39	— 3,32	+ 0,33
3131	66 22 44,69	1,607	—9,8686	—8,8662	+0,2061	+9,9986	6409	—	— 2,10	+ 2,83
3132	47 24 39,03	1,718	,6434	,8001	,2349	,9984	6417	— 1,59	—	+ 6,62
3133	58 48 21,55	1,735	,7978	,8695	,2393	,9984	6416	— 1,71	— 0,62	+ 0,84
3134	54 11 39,04	1,892	,7427	,8840	,2769	,9981	6422	—	— 3,59	+ 2,24
3135	52 59 53,00	1,915	,7275	,8826	,2822	,9980	6424	—	— 7,56	+ 4,77
3136	52 29 40,98	1,967	—9,7202	—8,8913	+0,2939	+9,9979	6426	—	—	— 3,72
3137	58 42 5,81	2,037	,7959	,9387	,3090	,9977	6431	— 2,45	—	— 2,64
3138	56 20 19,72	2,060	,7686	,9322	,3139	,9977	6434	— 2,12	—	+ 0,30
3139	64 59 8,01	2,095	,8561	,9764	,3211	,9976	6435	+ 2,83	—	— 8,71
3140	59 14 31,04	2,141	,7993	,9625	,3307	,9975	6437	— 3,87	—	—4,58,88
3141	48 2 17,15	2,396	—9,6513	—8,9489	+0,3795	+9.9969	6448	— 2,32	—	+ 3,63
3142	48 13 34,34	2,593	,6532	8,9844	,4138	,9963	6459	— 1,47	—	+ 1,65
3143	51 1 31,94	2,939	,6955	9,0569	,4682	,9953	6471	— 2,91	—	+ 2,59
3144	48 24 58,94	2,945	,6551	9,0411	,4691	,9953	6472	— 5,99	—	+ 4,43
3145	50 15 4,67	3,037	,6830	9,0664	,4825	,9949	6474	—	— 2,74	— 8,18
3146	49 47	3,060	—9,6767	—9,0667	+0,4857	+9,9949	6475	—	—	—
3147	49 47	3,066	,6767	,0675	,4866	,9949	6476	—	—	—
3148	49 47 21,46	3,083	,6758	,0700	,4890	,9948	6477	— 2,46	—	+ 1,47
3149	52 16 57,79	3,509	,7110	,1414	,5452	,9932	6502	— 2,38	— 1,60	— 6,16
3150	44 42 55,28	3,555	,5855	,0962	,5508	,9931	6507	— 2,37	—	— 1,85

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
3151	κ² Telescopii	7	3	18 40 32,19	+4,757	+8,2844	—9,0386	+0,6773	—8,1815
3152	———	6.7	2	40 54,85	4,555	,2560	8,9958	,6585	,1307
3153	Cor. Aust.	6.7	3	40 53,42	4,247	,2044	8,9450	,6281	,0289
3154	Telescopii	7	3	42 12,32	4,637	,2825	9,0089	,6662	,1672
3155	ω Pavonis	6	3	44 22,19	5,375	,4186	9,1219	,7304	,3578
3156	Telescopii	7.8	3	44 20,19	4,586	+8,2956	—9,0003	+0,6614	—8,1746
3157	Cor. Aust.	7	3	44 32,04	4,076	,2132	8,9165	,6102	7,9983
3158	π ——— ———	6.7	2	45 40,97	4,338	,2669	8,9590	,6373	8,1095
3159	λ Telescopii	6.7	3	45 39,12	4,814	,3454	9,0370	,6825	8,2485
3160	Cor. Aust.	6	3	45 49,36	4,074	,2249	8,9158	,6100	8,0097
3161	Telescopii	7.8	1	46 45,93	4,408	+8,2899	—8,9705	+0,6442	—8,1446
3162	———	7.8	2	47 7,77	4,951	,3802	9,0583	,6947	,2947
3163	———	8	2	47 43,85	4,596	,3295	9,0014	,6624	,2104
3164	ε¹ Cor. Aust.	6	2	47 55,76	4,065	,2432	8,9139	,6096	,0262
3165	ε² ——— ———	—	—	47	4,062	,2427	8,9134	,6087	,0249
3166	Sagittarii	7.8	3	48 33,97	4,543	+8,3280	—8,9925	+0,6573	—8,2024
3167	Telescopii	8	2	49 38,33	5,168	,4280	9,0913	,7133	,3571
3168	———	—	—	50	5,166	,4425	9,0908	,7131	,3716
3169	———	7.8	3	50 17,04	5,168	,4427	9,0910	,7133	,3719
3170	Cor. Aust.	7	2	50 14,53	4,060	,2630	8,9124	,6085	,0451
3171	Sagittarii	7	2	51 4,58	4,650	+8,3684	—9,0097	+0,6674	—8,2560
3172	———	7	2	51 15,41	4,478	,3411	8,9812	,6511	,2071
3173	φ Telescopii	6.7	3	53 39,33	4,765	,4083	9,0279	,6781	,3082
3174	Sagittarii	7	3	54 33,85	4,645	,3963	9,0083	,6670	,2841
3175	A Sagittarii	7	2	54 51,65	4,536	,3805	8,9902	,6567	,2552
3176	o Sagittarii	5.6	2	55 5,66	3,591	+8,2352	—8,8439	+0,5552	—7,8082
3177	Pavonis	8.9	3	55 35,38	5,501	,5353	9,1385	,7404	8,4810
3178	Telescopii	6.7	3	55 36,48	4,986	,4600	9,0627	,6977	8,3783
3179	α Cor. Aust.	6	3	58 34,93	4,082	,3335	8,9136	,6109	8,1242
3180	Sagittarii	7	4	19 0 24,39	4,645	,4407	9,0071	,6670	8,3296
3181	Telescopii	7.8	2	1 6,12	5,150	+8,5260	—9,0869	+0,7118	—8,4556
3182	B Sagittarii	6.7	3	4 42,67	4,384	,4282	8,9622	,6419	,2832
3183	Telescopii	—	—	4	4,999	,5297	9,0632	,6989	,4504
3184	Sagittarii	8	3	7 8,48	4,695	,4956	9,0139	,6716	,3911
3185	Telescopii	6	3	9 55,38	4,867	,5418	9,0413	,6873	,4536
3186	χ Telescopii	7	3	10 12,22	4,670	+8,5112	—9,0090	+0,6693	—8,4049
3187	———	7.8	3	10 46,46	4,834	,5420	9,0359	,6843	8,4513
3188	Sagittarii	6.7	2	11 3,12	3,600	,3445	8,8375	,5563	7,9307
3189	Telescopii	7.8	2	11 15,23	4,965	,5659	9,0567	,6959	8,4853
3190	Sagittarii	—	—	11	3,590	,3470	8,8373	,5551	7,9334
3191	Telescopii	7	3	12 47,81	4,657	+8,5253	—9,0063	+0,6681	—8,4183
3192	———	7	3	14 56,09	4,860	,5703	,0375	,6857	,4817
3193	μ Telescopii	7	3	17 34,60	4,895	,5930	,0442	,6897	,5086
3194	Pavonis	8	3	18 9,43	5,300	,6590	,1067	,7243	,5991
3195	Telescopii	7.8	3	19 8,42	4,829	,5910	,0331	,6839	,5016

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M.C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
3151	52 6 45,55	+ 3,555	—9,7076	—9,1460	+0,5508	+9,9931	6506	— 2,53	— 2,02	— 1,77
3152	48 32 19,36	3,589	,6532	,1277	,5550	,9929	6509	— 2,20	—	+ 1,29
3153	41 53 14,40	3,583	,5237	,0769	,5543	,9929	6511	— 0,07	—	— 6,45
3154	50 3 55,99	3,698	,6767	,1507	,5680	,9925	6516	— 2,39	— 4,46	— 4,27
3155	60 24 1,37	3,893	,8055	,2276	,5902	,9916	6522	— 2,23	— 2,58	+ 4,48
3156	49 11 5,79	3,881	—9,6609	—9,1660	+0,5890	+9,9917	6523	— 2,14	—	+ 0,40
3157	37 34 45,68	3,893	,4048	,0734	,5902	,9916	6524	— 2,56	— 4,02	— 6,45
3158	44 6 48,07	3,990	,5682	,1417	,6009	,9912	6530	— 2,54	— 2,20	+ 2,79
3159	53 8 23,47	3,995	,7193	,2028	,6016	,9912	6528	— 1,86	— 3,04	— 1,85
3160	37 32 22,95	4,001	,4031	,0851	,6022	,9912	6532	—	— 3,77	— 0,16
3161	48 42 29,43	4,093	—9.5999	—9,1648	+0,6120	+9,9907	6535	— 2,69	—	+ 3,82
3162	55 13 31,32	4,115	,7451	,2270	,6144	,9906	6536	— 8,78	—	—12,37
3163	49 28 46,63	4,172	,6637	,1993	,6204	,9904	6539	— 3,05	—	+ 1,85
3164	37 18 32,26	4,184	,3944	,1026	,6216	,9903	6542	— 2,62	— 2,19	— 2,96
3165	37 16	4,184	,3927	,1018	,6216	,9903	6543	—	—	—
3166	48 29 34,55	4,241	—9,6474	—9,1999	+0,6274	+9,9900	6547	— 2,99	—	+ 1,16
3167	58 8 19,21	4,252	,7789	,2557	,6286	,9900	6545	—62,21	—	—14,10
3168	58 8	4,395	,7781	,2701	,6429	,9893	6553	—	—	—
3169	58 10 45,23	4,395	,7781	,2702	,6429	,9893	6555	— 2,42	—	— 2,12
3170	37 16 28,41	4,383	,3909	,1220	,6418	,9894	6556	— 1,58	— 3,08	— 1,65
3171	50 32 11,26	4,463	—9,6776	—9,2353	+0,6496	+9,9890	6559	— 0,15	—	— 6,02
3172	47 15 56,82	4,474	,6243	,2148	,6507	,9889	6560	— 2,14	—	+ 1,03
3173	52 33 56,43	4,678	,7059	,2680	,6701	,9878	6567	— 3,96	— 2,00	+ 3,07
3174	50 33 19,72	4,758	,6758	,2632	,6774	,9874	6568	— 1,04	— 2,86	— 3,36
3175	48 31 53,03	4,780	,6444	,2522	,6795	,9873	6569	— 2,26	—	+ 4,03
3176	21 58 4,94	4,792	+8,6021	—8,9515	+0,6805	+9,9872	6570	— 2,62	—	+ 3,78
3177	61 57 28,26	4,848	—9,8142	9,3294	,6856	,9869	6572	— 1,39	—	+ 2,20
3178	55 57 15,06	4,854	,7489	,3025	,6861	,9869	6573	+ 1,02	—	— 7,38
3179	38 8 42,75	5,097	,4082	,1960	,7073	,9855	6585	— 2,09	— 3,35	— 0,01
3180	50 44 24,66	5,249	,6739	,3070	,7201	,9846	6593	— 1,63	—	— 2,87
3181	58 15 20,26	5,311	—9,7723	—9,3528	+0,7252	+9,9842	6596	— 1,99	— 3,14	+ 2,57
3182	45 44 11,37	5,625	,5843	,3032	,7501	,9822	6607	— 1,60	—	+ 1,21
3183	56 25	5,630	,7474	,3693	,7505	,9821	6608	—	—	—
3184	51 51 4,02	5,815	,6848	,3582	,7645	,9809	6619	— 1,69	—	— 6,70
3185	54 42 46,03	6,049	,7218	,3915	,7817	,9793	6629	— 2,11	—	—11,19
3186	51 31 23,00	6,071	—9,6776	—9,3750	+0,7832	+9,9791	6632	— 2,46	— 2,45	— 3,97
3187	54 14 24,11	6,121	9,7162	,3941	,7868	,9787	6639	— 2,06	—	+ 3,45
3188	22 41 33,99	6,132	+8,5185	,0719	,7876	,9786	6642	— 2,59	—	+ 7,47
3189	56 11 2,69	6,160	—9,7388	,4071	,7896	,9784	6640	— 2,20	—	— 3,50
3190	22 41	6,165	+8,5185	,0745	,7899	,9784	6643	—	—	—
3191	51 24 6,70	6,287	—9,6730	—9,3895	+0,7985	+9,9775	6649	— 2,73	—	— 4,46
3192	54 38 10,98	6,470	,7168	,4204	,8109	,9761	6656	— 2,41	—	— 4,10
3193	55 25 46,84	6,694	,7243	,4387	,8251	,9744	6666	— 2,19	— 2,63	— 2,10
3194	60 35 28,29	6,734	,7832	,4664	,8283	,9740	6669	—	— 2,76	+ 7,69
3195	54 29 25,41	6,810	,7101	,4419	,8332	,9733	6670	— 2,35	—	— 2,62

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of			
						a	*b*	*c*	*d*
				H. M. S.	s				
3196	Telescopii	6.7	3	19 20 14,71	+ 4,763	+8,5867	—9,0221	+0,6779	—8,4919
3197	D Sagittarii	6	4	23 19,84	4,475	,5547	8,9725	,6508	,4288
3198	Telescopii	7.8	3	24 56,87	5,084	,6644	9,0727	,7062	,5943
3199	——	7.8	2	27 30,47	4,823	,6357	9,0301	,6833	,5479
3200	——	7,8	3	27 57,13	4,807	,6353	9,0274	,6819	,5463
3201	ν Telescopii	6	3	34 55,68	4,931	+8,6909	—9,0460	+0,6929	—8,6132
3202	Pavonis	8	3	36 25,57	5,148	,7329	9,0802	,7116	,6688
3203	λ1 ——	6.7	3	37 8,05	5,139	,7351	9,0787	,7109	,6707
3204	Sagittarii	6.7	3	38 32,08	4,413	,6191	8,9561	,6447	,4898
3205	Telescopii	6.7	5	39 51,75	4,819	,6959	9,0262	,6830	,6111
3206	Indi	7	3	40 40,09	5,300	+8,7764	—9,1025	+0,7243	—8,7206
3207	Telescopii	8	2	42 54,91	4,745	,6973	,0127	,6762	,6072
3208	Indi	7	3	43 37,77	5,090	,7577	,0695	,7067	,6921
3209	——	7	3	43 41,86	5,014	,7457	,0572	,7002	,6756
3210	λ ——	7	4	48 14,01	5,111	,7816	,0716	,7085	,7182
3211	Sagittarii	7.8	3	53 42,65	4,306	+8,6650	—8,9303	+0,6341	—8,5258
3212	Telescopii	—	—	54	4,648	,7288	8,9919	,6765	,6334
3213	——	6.7	3	54 57,20	4,768	,7535	9,0127	,6783	,6692
3214	——	6	3	55 6,18	4,639	,7314	8,9900	,6664	,6355
3215	——	7.8	3	55 55,68	4,619	,7311	8,9861	,6645	,6335
3216	Indi	7.8	5	58 5,66	4,924	+8,7932	—9,0385	+0,6923	—8,7215
3217	——	6.7	3	20 2 9,50	4,589	,7506	8,9782	,6617	,6524
3218	——	7.8	3	5 41,47	4,546	,7564	8,9691	,6576	,6552
3219	——	7	3	7 26,15	4,336	,7229	8,9288	,6371	,5953
3220	Pavonis	7.8	6	7 30,10	4,970	,8384	9,0432	,6964	,7724
3221	Pavonis	—	—	7	4,969	+8,8388	—9,0430	+0,6963	—8,7728
3222	Indi	7	6	8 3,61	4,717	,7964	8,9992	,6737	,7125
3223	——	—	—	8	4,718	,7967	8,9993	,6738	,7130
3224	——	7	3	9 16,87	4,436	,7494	8,9469	,6470	,6368
3225	——	6.7	3	10 2,21	4,432	,7515	8,9456	,6466	,6387
3226	Sagittarii	7.8	2	11 3,05	4,052	+8,6818	—8,8721	+0,6077	—8,5008
3227	——	—	—	12	4,077	,6936	8,8756	,6103	,5201
3228	——	6.7	3	15 5,67	4,043	,6938	8,8675	,6067	,5133
3229	Pavonis	8.9	3	16 45,61	4,926	,8664	9,0328	,6925	,8007
3230	φ1 ——	6	2	22 17,48	5,038	,9054	9,0495	,7023	,8277
3231	φ2 Pavonis	6	3	26 44,35	5,004	+8,9165	—9,0428	+0,6993	—8,8586
3232	Indi	7.8	3	29 11,31	4,222	,7763	8,8934	,6255	,6429
3233	η ——	5.6	3	32 15,47	4,436	,8299	8,9348	,6470	,7292
3234	ο Microscopii	6.7	3	32 23,48	3,952	,7312	8,8358	,5968	,5402
3235	Indi	7	4	36 22,80	4,156	,7860	8,8748	,6187	,6460
3236	Microscopii	8	3	37 55,44	4,082	+8,7750	—8,8581	+0,6109	—8,6211
3237	ζ Indi	6	2	38 27,26	4,162	,7942	,8744	,6193	,6569
3238	ι ——	6	3	39 54,31	4,385	,8452	,9201	,6420	,7428
3239	Microscopii	6	3	40 43,28	3,879	,7406	,8129	,5887	,5346
3240	μ ——	7	3	47 3,72	4,052	,7960	,8441	,6077	,6430

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
							No.	Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*		M. C.	T.	
	° ′ ″	″						s.	s.	″
3196	53 30 52,15	+ 6,904	—9,6964	—9,4423	+0,8391	+9,9726	6672	— 1,78	— 5,24	— 4,19
3197	48 26 7,12	7,155	,6138	,4267	,8546	,9704	6689	— 1,37	——	+ 1,74
3198	58 19 34,75	7,291	,7520	,4908	,8628	,9692	6696	— 3,15	— 6,07	+ 2,28
3199	54 46 24,22	7,497	,7050	,4851	,8749	,9673	6707	— 2,97	— 4,21	— 6,89
3200	54 34 0,11	7,529	,7016	,4858	,8767	,9670	6708	— 2,62	— 4,87	— 4,50
3201	56 44 16,56	8,093	—9,7218	—9,5284	+0,9081	+9,9613	6725	— 2,36	— 2,73	— 1,54
3202	59 39 7,06	8,215	,7543	,5486	,9146	,9600	6731	— 3,67	— 2,49	— 4,33
3203	59 35 2,57	8,274	,7520	,5514	,9177	,9594	6733	— 3,29	— 2,66	+ 0,45
3204	47 56 52,09	8,380	,5832	,4919	,9232	,9583	6738	— 3,08	——	+ 2,32
3205	55 22 14,24	8,486	,6972	,5420	,9287	,9571	6745	— 4,52	——	— 5,72
3206	61 34 27,14	8,554	—9,7694	—9,5744	+0,9322	+9,9563	6747	— 3,30	——	— 1,55
3207	54 21 20,67	8,728	,6794	,5488	,9409	,9543	6757	— 1,57	——	— 3,84
3208	59 18 46,05	8,785	,7411	,5763	,9438	,9537	6759	— 3,57	— 3,07	+ 2,63
3209	58 20 9,67	8,791	,7300	,5720	,9440	,9536	6760	— 3,03	——	— 3,55
3210	59 48 16,28	9,145	,7411	,5959	,9612	,9493	6775	— 3,04	— 4,28	— 0,51
3211	46 32 22,31	9,563	—9,5302	—9,5395	+0,9806	+9,9439	6790	— 1,91	——	+ 1,99
3212	53 24	9,599	,6493	,5849	,9822	,9435	6791	——	——	——
3213	55 28 3,91	9,665	,6767	,5990	,9852	,9425	6793	— 1,73	— 2,67	— 0,42
3214	53 19 50,36	9,675	,6464	,5879	,9857	,9424	6794	— 2,61	——	+ 0,04
3215	53 1 49,68	9,736	,6405	,5889	,9884	,9415	6799	— 2,87	——	— 5,43
3216	57 58 59,10	9,904	—9,7050	—9,6222	+0,9958	+9,9392	6803	— 1,84	— 2,70	+ 1,61
3217	52 54 56,25	10,212	,6274	,6090	1,0091	,9347	6814	— 2,57	— 1,79	+ 0,05
3218	52 23 57,96	10,472	,6128	,6169	,0200	,9308	6821	— 2,73	——	— 4,42
3219	48 11 55,49	10,591	,5366	,5963	,0249	,9289	6825	—12,12	——	+ 1,03
3220	59 13 12,70	10,610	,7050	,6578	,0257	,9286	6826	— 1,66	——	+ 1,74
3221	59 13	10,620	—9,6628	—9,6582	+1,0261	+9,9284	6827	——	——	——
3222	55 32 33,31	10,645	,6551	,6414	,0271	,9280	6829	— 4,29	——	— 5,55
3223	55 32	10,650	,6561	,6417	,0273	,9279	6830	——	——	——
3224	50 30 42,89	10,738	,5740	,6164	,0309	,9265	6836	— 2,75	— 4,63	— 2,83
3225	50 29 12,19	10,797	,5729	,6186	,0333	,9255	6837	— 1,65	— 3,23	— 7,10
3226	41 15 21,18	10,866	—9,3579	—9,5531	+1,0361	+9,9244	6841	— 2,90	——	— 0,59
3227	42 8	11,013	,3766	,5665	,0419	,9219	6848	——	——	——
3228	41 18 17,34	11,158	,3463	,5652	,0476	,9194	6851	— 2,40	——	— 2,99
3229	59 17 35,23	11,289	,6884	,6851	,0526	,9171	6855	— 1,33	——	+ 2,63
3230	61 6 44,96	11.685	,6998	,7080	,0676	,9098	6873	——	— 4,22	+ 5,74
3231	61 4 32,36	12,000	—9,6911	—9,7194	+1,0792	+9,9036	6886	— 3,44	— 4,28	— 4,15
3232	47 22 50,60	12,153	,4639	,6498	,0850	,9002	6894	— 2,53	——	+ 0,52
3233	52 29 7,42	12,380	,5563	,6901	,0927	,8956	6904	— 1,60	— 2,40	— 0,68
3234	40 7 30,36	12,384	,2405	,5999	,0929	,8955	6905	— 2,83	— 4,65	— 1,87
3235	46 25 55,87	12,662	,4183	,6605	,1025	,8894	6912	— 1,59	——	+ 5,37
3236	44 33 59,02	12,761	—9,3655	—9,6500	+1,1059	+9,8871	6916	— 4,33	——	+ 8,09
3237	46 48 43,33	12,802	,4216	,6684	,1073	,8859	6919	— 4,07	— 4,64	+ 2,55
3238	52 11 52,15	12,904	,5289	,7064	,1107	,8837	6921	+ 1,21	— 1,55	— 3,07
3239	38 30 7,41	12,949	,1303	,6043	,1122	,8827	6924	— 3,70	——	— 1,65
3240	44 41 42,02	13,367	,3324	,6710	,1260	,8722	6946	— 2,91	— 0,50	—14,51

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
3241	ω Indi	6.7	3	20 48 56,31	+4,327	+8,8614	—8,9022	+0,6362	—8,7572
3242	———	6.7	3	48 58,80	4,444	,8865	,9270	,6478	,7963
3243	Microscopii	7	2	49 19,92	4,008	,8932	,8324	,6029	,6319
3244	———	—	—	50	4,002	,7955	,8302	,6023	,6341
3245	Indi	7.8	3	52 6,14	4,726	,9536	,9822	,6745	,8891
3246	ζ¹ Microscopii	7	2	52 10,33	3,861	+8,7690	—8,7975	+0,5867	—8,5691
3247	μ Indi	6.7	3	53 25,82	4,471	,9064	,9299	,6504	,8215
3248	———	7	3	54 50,59	4,780	,9730	,9914	,6794	,9131
3249	———	7	3	56 9,15	4,430	,9062	,9196	,6464	,8187
3250	———	7	3	56 48,41	4,190	,8559	,8665	,6222	,7373
3251	Piscis. Aust.	7	3	56 37,13	3,688	+8,7440	—8,7549	+0,5668	—8,4796
3252	ρ Microscopii	6.7	3	56 59,30	4,058	,8264	,8367	,6083	,6833
3253	σ Indi	7	3	57 58,41	4,718	,9717	,9780	,6737	,9093
3254	———	7.8	3	58 41.21	4,433	,9151	,9189	,6467	,8295
3255	———	7	3	59 36,79	4,531	,9387	,9390	,6562	,8630
3256	Microscopii	7	3	59 37,16	3,981	+8,8163	—8,8166	+9,5999	—8,6581
3257	π ———	6.7	3	21 1 56,07	3,878	,7990	,7906	,5886	,6149
3258	Indi	7	3	3 37,95	4,569	,9599	,9447	,6598	,8896
3259	———	7	3	3 0,75	4,645	,9770	,9603	,6670	,9126
3260	———	6.7	3	4 17,98	4,337	,9117	,8942	,6372	,8191
3261	Indi	—	—	4	4,689	+8,9877	—8,9690	+0,6711	—8,9267
3262	Microscopii	—	—	4	3,847	,7997	,7800	,5851	,6091
3263	Indi	7.8	2	6 56,90	4,133	,8729	,8453	,6163	,7529
3264	θ ———	5.6	3	8 25,30	4,322	,9212	,8880	,6357	,8297
3265	Microscopii	7	4	8 34,69	4.065	,8615	,8279	,6594	,7305
3266	Indi	8	3	12 56,28	4,485	+8,9719	—8,9215	+0,6518	—8,8999
3267	σ Microscopii	7.8	3	13 40,80	4,026	,8668	,8136	,6049	,7328
3268	———	7.8	3	16 2,06	3,998	,8663	,8042	,6018	,7285
3269	λ Piscis. Aust.	6.7	3	16 21,98	3,763	,8092	,7458	,5755	,6034
3270	Indi	7.8	2	17 0,94	4,222	,9241	,8581	,6255	,8262
3271	Indi	6.7	3	17 41,38	4,279	+8,9396	—8,8711	+0,6313	—8,8496
3272	———	8	3	19 10,00	4,565	9,0095	,9352	,6594	,9474
3273	———	—	—	19	4,422	8,9781	,9035	,6456	,9045
3274	———	8	3	20 57,97	4,569	9,0164	,9350	,6598	,9556
3275	———	8	3	25 41,87	4,114	8,9235	,8241	,6143	,8171
3276	Indi	7.8	3	25 43,99	4,135	+8,9290	—8,8294	+0,6165	—8,8260
3277	———	6.7	7	28 31,96	4,385	,9991	,8885	,6420	,9282
3278	———	—	—	28	4,376	,9971	,8865	,6411	,9254
3279	———	7.8	3	28 47,47	4,125	,9354	,8237	,6154	,8335
3280	———	7	3	29 1,48	4,373	,9978	,8854	,6408	,9260
3281	Indi	8	3	29 4,02	4,082	+8,9253	—8,8127	+0,6109	—8,8170
3282	———	6.7	3	29 13,45	4,297	8,9800	,8669	,6332	,9008
3283	———	8.9	2	30 47,38	4,378	9,0047	,8852	,6413	,9346
3284	———	7.8	2	31 37,94	4,054	8,9254	,8028	,6079	,8147
3285	———	6.7	3	32 17,37	4,354	9,0037	,8785	,6389	,9324

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M.C.	T.	
	° ′ ″	″						s.	s.	″
3241	51 53 10,51	+13,492	—9,4969	—9,7239	+1,1301	+9,8689	6949	— 1,21	— 1,74	+ 1,72
3242	54 21 14,30	13,496	,5403	,7381	,1302	,8688	6950	— 1,81	—	— 3,60
3243	43 37 49,16	13,518	,2900	,6677	,1309	,8682	6953	— 0,91	—	— 4,77
3244	43 37	13,595	,2856	,6701	,1334	,8661	6954	—	—	—
3245	59 33 26,27	13,698	,6117	,7702	,1366	,8633	6960	+ 1,11	—	+ 9,48
3246	39 8 44,14	13,698	—9,0934	—9,6348	+1,1366	+9,8633	6961	— 2,66	—	— 4,66
3247	55 21 15,92	13,783	,5441	,7525	,1393	,8609	6964	— 2,85	— 2,06	— 5,80
3248	60 37 27,05	13,867	,6191	,7802	,1420	,8585	6965	—	— 3,87	+ 3,87
3249	54 50 58,74	13,951	,5276	,7552	,1446	,8561	6971	— 2,15	—	— 5,71
3250	49 34 29,69	13,997	,4210	,7255	,1460	,8547	6973	— 0,49	—	— 5,82
3251	32 58 30,92	13,993	—8,3979	—9,5795	+1,1459	+9,8548	6975	—	+14,72	+ 5,91
3252	46 0 56,68	14,001	9,3304	,7012	,1462	,8546	6974	— 4,18	—	+ 2,45
3253	60 2 57,65	14,068	9,6021	,7840	,1482	,8526	6978	— 1,06	— 2,76	+ 0,40
3254	55 12 58,17	14,109	9,5250	,7620	,1495	,8514	6980	— 3,96	—	— 5,61
3255	57 9 41,70	14,167	9,5539	,7736	,1513	,8496	6981	— 0,49	— 2,77	— 5,98
3256	44 1 28,01	14,167	—9,2528	—9,6911	+1,1513	+9,8496	6982	— 2,28	— 0,28	+ 6,89
3257	40 54 32,00	14,306	,1139	,6695	,1555	,8453	6986	— 2,38	— 4,65	— 2,19
3258	58 17 10,09	14,416	,5599	,7866	,1588	,8418	6989	— 2,51	— 2,54	+ 1,76
3259	59 34 52,23	14,440	,5775	,7933	,1596	,8410	6990	+59,90	—	+ 3,73
3260	53 55 7,27	14,453	,4829	,7654	,1599	,8406	6992	— 2,74	—	+ 2,08
3261	60 20	14,473	—9,5866	—9,7975	+1,1605	+9,8399	6993	—	—	—
3262	40 9	14,489	,0531	,6685	,1610	,8394	6995	—	—	—
3263	49 22 38,58	14,613	,3729	,7429	,1647	,8353	6999	— 0,11	—	— 3,67
3264	54 6 49,64	14,701	,4728	,7739	,1673	,8323	7003	— 1,65	+ 0,03	— 1,65
3265	47 43 9,31	14,709	,3222	,7347	,1676	,8320	7004	— 2,53	—	— 3,14
3266	57 56 0,69	14,967	—9,5237	—9,8012	+1,1751	+9,8228	7013	— 1,91	—	+ 4,69
3267	47 17 38,18	15,010	9,2856	,7405	,1764	,8213	7015	— 1,59	—	+ 3,33
3268	46 44 51,50	15,144	9,2553	,7406	,1802	,8162	7019	— 0,62	—	+ 0,65
3269	38 30 51,69	15,163	8,8261	,6730	,1808	,8155	7020	— 0,93	— 0,71	+ 2,56
3270	53 59 26,41	15,201	9,4133	,7821	,1819	,8140	7022	— 1,32	—	— 0,07
3271	54 23 45,07	15,239	—9,4393	—9,7910	+1,1830	+9,8125	7024	— 2,86	+ 0,22	— 3,91
3272	60 6 8,82	15,326	,5340	,8214	,1854	,8091	7027	— 0,10	—	— 0,61
3273	57 34	15,330	,4928	,8100	,1855	,8090	7028	—	—	—
3274	60 23 57,02	15,427	,5327	,8255	,1883	,8050	7031	— 2,06	—	— 2,71
3275	51 32 43,86	15,684	,3365	,7872	,1955	,7941	7045	— 2,41	—	— 5,62
3276	52 6 36,13	15,688	—9,3502	—9,7907	+1,1956	+9,7940	7046	— 2,08	—	— 5,92
3277	58 9 20,69	15,839	,4639	,8269	,1997	,7872	7049	— 3,32	—	— 0,02
3278	58 0	15,839	,4609	,8261	,1997	,7872	7050	—	—	—
3279	52 17 19,58	15,853	,3385	,7963	,2001	,7866	7051	— 2,72	—	— 1,06
3280	53 4 31,82	15,864	,4594	,8267	,2004	,7861	7052	— 1,60	—	+ 3,40
3281	51 12 23,66	15,868	—9,3096	—9,7902	+1,2005	+9,7859	7053	— 2,28	—	— 2,34
3282	56 27 22,87	15,875	,4298	,8196	,2007	,7856	7054	— 2,02	— 1,03	— 2,00
3283	58 20 6,27	15,960	,4564	,8310	,2030	,7816	7056	— 1,19	—	+10,97
3284	50 49 1,83	16,002	,2856	,7915	,2042	,7796	7059	— 1,44	—	— 8,98
3285	58 5 28,84	16,037	,4456	,8319	,2051	,7779	7061	— 2,45	— 2,27	— 1,80

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
3286	Indi	7	3	21 32 34,11	+4,350	+9,0037	—8,8774	+0,6385	—8,9323
3287	———	7	3	32 35,75	4,347	9,0032	,8766	,6382	,9315
3288	———	8.9	2	32 49,79	4,241	8,9775	,8501	,6275	,8948
3289	Gruis	6.7	2	32 48,44	3,845	8,8723	,7452	,5849	,7156
3290	Indi	7.8	2	32 47,07	4,217	8,9714	,8441	,6146	,8859
3291	Indi	7.8	2	33 3,85	4,258	+8,9826	—8,8541	+0,6292	—8,9020
3292	Gruis	7	3	35 49,18	3,940	8,9082	,7670	,5955	,7800
3293	Indi	6.7	3	37 40,57	4,309	9,0102	,8634	,6344	,9385
3294	Gruis	6	3	37 49,91	3,929	8,9093	,7620	,5943	,7803
3295	———	8	3	38 9,31	3,942	8,9138	,7652	,5957	,7882
3296	Gruis	7.8	3	39 25,97	3,901	+8,9059	—8,7522	+0,5912	—8,7723
3297	———	7	3	39 38,12	3,933	8,9155	,7610	,5947	,7896
3298	Indi	7.8	3	40 53,58	4,169	8,9843	,8246	,6200	,8996
3299	———	8	3	41 58,85	3,978	8,9349	,7710	,5996	,8211
3300	π ———	7	3	44 57,36	4,284	9,0277	,8515	,6318	,9590
3301	Indi	7.8	3	45 21,10	4,056	+8,9672	—8,7893	+0,6081	—8,9706
3302	K^2 ———	6.7	3	47 8,71	4,321	9,0445	,8595	,6356	,9810
3303	Gruis	8.9	3	47 21,93	3,648	8,8534	,6673	,5620	,6474
3304	———	7.8	2	47 38,86	3,647	8,8539	,6667	,5619	,6480
3305	Indi	6.7	3	49 26,78	4,159	9,0091	,8142	,6181	,9308
3306	Indi	7	3	50 56,11	4,041	+8,9803	—8,7794	+0,6065	—8,8872
3307	———	5.6	3	51 3,76	4,181	9,0201	,8189	,6213	8,9456
3308	———	7	3	52 46,14	4,139	9,0141	,8057	,6169	8,9364
3309	K^2 ———	6.7	3	54 33,40	4,289	9,0618	,8454	,6324	9,0010
3310	———	9	4	55 47,27	4,253	9,0566	,8348	,6287	8,9916
3311	Indi	7.8	3	56 32,36	4,256	+9,0599	—8,8349	+0,6290	—8,9977
3312	———	8	5	57 34,39	4,245	9,0605	,8313	,6279	,9982
3313	Piscis Aust.	6	3	59 3,38	3,533	8,8466	,6095	,5481	,6028
3314	Indi	8	3	22 0 3,72	4,063	9,0166	,7762	,6088	,9362
3315	Piscis Aust.	6.7	3	0 52,31	3,436	8,8211	,5775	,5360	,5073
3316	Gruis	7.8	3	2 12,66	4,066	+9,0248	—8,7751	+0,6092	—8,9470
3317	Piscis Aust.	7	3	2 22,48	3,415	8,8179	,5682	,5334	,4883
3318	——— ———	7	3	3 33,44	3,411	8,8190	,5636	,5329	,4884
3319	Aquarii	6.7	3	4 44,63	3,382	8,8129	,5522	,5292	,4540
3320	Gruis	7.8	3	4 55,26	3,934	8,9922	,7306	,5948	,8972
3321	Gruis	7	3	6 45,23	3,973	+9,0112	—8,7411	+0,5991	—8,9250
3322	———	7.8	3	12 5,14	3,996	9,0374	,7426	,6016	,9606
3323	π^1 ———	6.7	3	12 55,64	3,705	8,9389	,6404	,5688	,8010
3324	π^2 ———	6	3	13 16,58	3,703	8,9390	,6390	,5685	,8010
3325	Tucanæ	6.7	3	14 15,76	4,039	9,0589	,7541	,6063	,9900
3326	Tucanæ	8	3	16 46,53	4,025	+9,0640	—8,7470	+0,6048	—8,9961
3327	Gruis	7.8	3	17 23,21	3,759	8,9722	,6524	,5751	8,8573
3328	Tucanæ	8.9	3	18 20,84	4,059	9,0812	,7565	,6084	9,0188
3329	Pricis Aust.	6.7	2	18 49,37	3,544	8,8953	,5685	,5495	8,7021
3330	Gruis	7	4	22 40,33	3,599	8,9272	,5812	,5562	8,7693

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	*b'*	*c'*	*d'*	No.	M.C.	T.	
	° ′ ″	″						s.	s.	″
3286	58 2 50,92	+16,051	—9,4440	—9,8322	+1,2055	+9,7773	7064	— 2,75	— 1,88	+ 3,50
3287	58 0 21,13	16,055	,4425	,8320	,2056	,7771	7065	— 3,03	— 1,93	+ 3,07
3288	55 46 51,90	16,065	,3979	,8212	,2059	,7766	7066	— 1,61	——	— 6,59
3289	44 12 59,13	16,061	,0253	,7472	,2058	,7768	7068	— 2,18	— 2,96	+ 8,28
3290	55 13 33,84	16,065	,3856	,8184	,2059	,7766	7067	+ 1,67	——	— 4,72
3291	56 11 55,22	16,079	—9,4048	—9,8237	+1,2062	+9,7759	7069	— 0,41	——	—10,61
3292	48 8 3,85	16,244	,1643	,7806	,2107	,7676	7076	+28,55	——	+ 6,63
3293	57 0 38,61	16,316	,4183	,8390	,2126	,7639	7079	— 2,91	— 3,42	+ 3,06
3294	48 1 35,06	16,323	,1492	,7819	,2128	,7636	7080	— 1,85	— 1,77	— 2,15
3295	48 30 43,03	16,339	,1643	,7856	,2132	,7627	7081	— 1,77	——	+ 6,34
3296	47 20 57,26	16,403	—9.1072	—9,7795	+1,2149	+9,7593	7083	— 1,31	——	— 1,48
3297	48 27 52,36	16,414	,1492	,7874	,2152	,7588	7084	— 1,83	——	+ 6,78
3298	55 23 41,79	16,477	,3444	,8302	,2169	,7553	7087	— 0,61	— 1,35	— 0,96
3299	50 19 59,55	16,530	,1987	,8025	,2183	,7524	7090	— 1,64	——	— 5,98
3300	58 39 6,53	16,676	,3927	,8516	,2221	,7440	7095	— 2,88	+ 0,18	+ 2,12
3301	53 12 51,71	16,696	—9,2624	—9,8242	+1,2226	+9,7428	7097	— 3,43	— 3,78	— 0,01
3302	59 46 15,23	16,779	—9,4031	,8593	,2248	,7378	7101	——	— 3,42	+ 2,88
3303	38 30 8,21	16,792	+7,0000	,7172	,2251	,7371	7103	— 0,38	+ 0,98	+ 8,03
3304	38 30 50,01	16,805	+7,0000	,7177	,2254	,7363	7104	— 2,53	——	+10,68
3305	56 38 38,30	16,893	—9,3222	,8475	,2277	,7308	7106	——	— 1,01	+ 1,21
3306	53 50 4,07	16,959	—9,2405	—9,8344	+1,2294	+9,7266	7111	— 2,64	— 4,06	+ 3,62
3307	57 26 13,84	16,962	—9,3324	,8531	,2295	,7264	7110	— 9,40	—10,95	—41,95
3308	56 44 25,51	17,047	—9,3053	,8519	,2316	,7212	7114	— 3,22	— 1,78	+ 0,89
3309	60 24 22,65	17,127	—9,3747	,8710	,2337	,7154	7117	— 2,88	— 4,31	— 3,13
3310	59 54 18,43	17,185	—9,3560	,8702	,2351	,7114	7121	— 2,50	——	+16,90
3311	60 5 31,82	17,218	—9,3541	—9,8719	+1,2360	+9,7091	7125	— 1,55	——	— 2,50
3312	60 3 49,61	17,262	—9,3483	,8728	,2371	,7059	7127	— 2,24	——	+ 0,02
3313	34 49 17,40	17,341	+8,8451	,6934	,2391	,7001	7132	——	——	—1,20,03
3314	56 13 58,90	17,374	—9,2380	,8576	,2399	,6976	7133	— 1,70	——	+ 3,73
3315	29 4 29,01	17,405	+9,1399	,6250	,2407	,6952	7136	— 1,50	——	+ 7,87
3316	56 43 48,14	17,466	—9,2355	—9,8625	+1,2422	+9,6905	7139	— 2,26	——	— 2,47
3317	27 56 4,22	17,466	+9,1875	,6107	,2422	,6905	7140	— 6,61	——	+ 4,72
3318	27 52 11,55	17,520	+9,1959	,6111	,2435	,6862	7141	——	— 3,13	——
3319	25 58 13,51	17,570	+9,2553	,5839	,2448	,6821	7142	— 2,85	——	+ 4,76
3320	53 29 27,27	17,579	—9,1072	,8481	,2450	,6814	7143	— 2,72	——	— 3,07
3321	55 6 54,89	17,657	—9,1430	—9,8588	+1,2469	+9,6749	7147	— 2,63	——	— 3,51
3322	56 57 16,33	17,873	—9,1523	,8735	,2522	,6556	7156	— 0,70	——	+ 1,05
3323	46 45 3,26	17,904	—8,4624	,8131	,2529	,6525	7158	— 0,75	— 1,09	— 7,31
3324	46 43 47,11	17 917	—8,4472	,8133	,2533	,6513	7159	— 0,72	— 1,38	+ 2,75
3325	58 35 17,79	17,956	—9,1847	,8834	,2542	,6475	7161	— 2,11	— 4,01	— 1,96
3326	58 48 38,42	18,053	—9,1643	—9,8867	+1,2566	+9,6377	7165	— 3,30	——	+ 3,83
3327	50 9 47,87	18,076	—8,7243	,8403	,2571	,6353	7166	— 2,05	— 4,07	— 9,67
3328	60 2 41,40	18,114	—9,1875	,8937	,2580	,6313	7168	— 1,35	——	— 3,35
3329	39 54 10,14	18,129	+8,7781	,7633	,2584	,6297	7169	— 2,39	——	— 8,71
3330	44 4 56,04	18,270	+8,4150	,8020	,2617	,6138	7177	— 1,23	——	— 0,04

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of *a*	*b*	*c*	*d*
				H. M. S.	s				
3331	Tucanæ	7.8	3	22 23 9,61	+ 3,978	+9,0726	—8,7239	+0,5997	—9,0057
3332	Gruis	8	3	24 10,61	3,843	9,0275	,6737	,5847	8,9414
3333	Tucanæ	7	3	25 28,37	3,945	9,0703	,7097	,5960	9,0019
3334	Gruis	7	3	25 38,00	3,761	9,0008	,6395	,5753	8,8997
3335	———	7	3	26 55,77	3,675	8,9713	,6030	,5653	8,8497
3336	Gruis	6.7	2	29 12,72	3,763	+9,0147	—8,6348	+0,5755	—8,9199
3337	———	7.8	3	30 22,50	3,682	8,9856	,5993	,5661	,8724
3338	Tucanæ	7.8	3	30 34,30	3,886	9,0688	,6814	,5985	,9983
3339	Piscis. Aust.	7	3	30 49,23	3,350	8,8491	,4606	,5250	,5365
3340	——— ———	7	3	30 51,54	3,350	8,8492	,4603	,5250	,5368
3341	Gruis	6.7	3	33 2,16	3,615	+8,9667	—8,5650	+0,5581	—8,8377
3342	———	7	3	33 17,22	3,562	8,9433	,5412	,5517	,7932
3343	η ———	5.6	3	35 46,57	3,735	9,0285	,6127	,5723	,9384
3344	———	6.7	3	36 12,44	3,585	8,9636	,5451	,5545	,8303
3345	———	7.8	3	36 29,32	3,630	8,9846	,5646	,5599	,8674
3346	Gruis	7	3	36 49,52	3,641	+8,9912	—8,5689	+0,5612	—8,8785
3347	———	6.7	3	37 13,84	3,586	8,9675	,5433	,5546	8,8369
3348	———	7	3	38 40,59	3,443	8,9058	,4732	,5369	8,7050
3349	Tucanæ	7.8	2	41 37,02	3,863	9,1086	,6581	,5869	9,0491
3350	τ^1 Gruis	6.7	3	44 8,20	3,573	8,9866	,5211	,5530	8,8671
3351	τ^2 Gruis	7	2	45 55,58	3,559	+8,9867	—8,5099	+0,5513	—8,8664
3352	———	7	3	45 55,11	3,560	8,9868	,5101	,5514	,8667
3353	———	7.8	3	46 25,00	3,561	8,9890	,5093	,5516	,8703
3354	κ Piscis. Aust.	7	3	49 39,93	3,364	8,8973	,3964	,5269	,6701
3355	——— ———	6.7	3	50 50,19	3,298	8,8678	,3590	,5182	,5707
3356	Tucanæ	7.8	3	51 11,21	3,732	+9,0958	—8,5839	+0,5719	—9,0301
3357	Gruis	7.8	3	51 35,44	3,530	8,9943	,4805	,5478	8,8770
3358	———	6	3	51 41,51	3,564	9,0130	,4988	,5519	8,9083
3359	Tucanæ	7.8	3	54 23,59	3,637	9,0645	,5319	,5607	8,9857
3360	π Piscis. Aust.	—	—	54	3,336	8,8959	,3614	,5232	8,6607
3361	Gruis	7	3	54 58,14	3,407	+8,9374	—8,4006	+0,5324	—8,7656
3362	———	7	2	57 54,29	3,499	9,0039	,4459	,5439	,8910
3363	———	7.8	3	57 58,37	3,512	9,0140	,4550	,5455	,9076
3364	———	6.7	3	23 1 3,37	3,391	8,9504	,3682	,5303	,7898
3365	Piscis. Aust.	6.7	3	1 5,66	3,255	8,8674	,2853	,5125	,5521
3366	Gruis	6.7	3	1 15,03	3,366	+8,9347	—8,3515	+0,5271	—8,7554
3367	ε ———	5	3	1 16,37	3,418	8,9685	,3848	,5338	,8260
3368	———	8	3	1 20,61	3,389	8,9498	,3656	,5301	,7884
3369	———	7.8	3	3 37,09	3,532	9,0529	,4507	,5480	,9666
3370	———	7.8	3	4 6,81	3,457	9,0072	,4007	,5387	,8944
3371	Gruis	7.8	3	4 39,05	3,352	+8,9387	—8,3279	+0,5253	—8,7624
3372	Tucanæ	6.7	3	6 0,74	3,556	9,0820	,4602	,5510	9,0082
3373	Gruis	6.7	2	6 5,17	3,346	8,9405	,3180	,5245	8,7656
3374	Tucanæ	7	3	7 6,96	3,525	9,0689	,4380	,5472	8,9894
3375	———	—	—	7	3,575	9,1016	,4696	,5533	9,0351

No.	Declination. (*South.*) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
			a'	*b'*	*c'*	*d'*	No.	Right Ascension from M. C.	Right Ascension from T.	Declin.
	° ′ ″	″						s.	s.	″
3331	59 2 3,37	+18,290	−9,1038	−9,8934	+1,2622	+9,6116	7178	− 0,40	—	+ 6,59
3332	55 7 13,27	18,325	8,9243	,8750	,2630	,6073	7179	− 2,49	—	− 3,43
3333	58 42 23,78	18,372	9,0607	,8938	,2641	,6016	7180	− 2,39	− 1,14	+ 4,65
3334	52 25 39,47	18,376	8,7076	,8612	,2643	,6010	7181	− 1,53	− 2,81	+ 1,77
3335	49 7 49,50	18,423	8,1461	,8419	,2653	,5951	7182	+ 0,54	—	+ 0,84
3336	53 31 11,63	18,497	−8,7076	−9,8704	+1,2671	+9,5853	7187	− 3,04	− 3,07	+ 3,57
3337	50 25 36,25	18,538	−8,2041	,8529	,2681	,5798	7188	− 0,18	—	− 8,07
3338	58 15 9,42	18,544	−8,9731	,8958	,2682	,5788	7189	− 2,44	− 0,83	+ 3,99
3339	29 9 15,30	18,551	+9,2900	,6538	,2684	,5779	7190	—	− 0,60	− 2,74
3340	29 10 34,36	18,553	+9,2900	,6541	,2684	,5776	7191	—	− 0,81	—
3341	48 1 44,86	18,629	+8,2041	−9,8393	+1,2702	+9,5666	7195	+10,41	—	+ 5,41
3342	45 5 6,42	18,632	+8,6628	,8183	,2702	,5663	7196	—	− 2,93	+ 4,35
3343	54 20 21,97	18,710	+8,5798	,8800	,2721	,5543	7203	− 2,38	− 2,12	− 1,50
3344	47 23 5,48	18,725	+8,5051	,8372	,2724	,5520	7204	− 2,37	− 2,56	+ 3,68
3345	49 48 57,81	18,733	+7,9542	,8535	,2726	,5507	7205	− 3,03	− 3,56	+ 3,12
3346	50 30 49,38	18,745	+7,4771	−9,8583	+1,2729	+9,5487	7207	+ 0,25	—	−14,42
3347	47 46 44,75	18,756	+8,4914	,8406	,2731	,5470	7208	− 4,23	—	+ 1,45
3348	39 3 35,86	18,800	+9,0755	,7714	,2742	,5396	7211	− 2,53	− 1,06	+ 2,65
3349	60 43 37,95	18,890	−8,8976	,9148	,2762	,5238	7213	+ 0,33	—	+ 1,94
3350	49 26 34,80	18,961	+8,5563	,8564	,2778	,5104	7219	− 2,11	− 3,04	− 4,81
3351	49 19 3,89	19,011	+8,6335	−9,8568	+1,2790	+9,5003	7220	− 0,98	− 1,87	+ 3,44
3352	49 20 38,89	19,011	+8,6335	,8569	,2790	,5003	7221	− 0,48	− 1,09	+ 3,34
3353	49 33 23,03	19,024	+8,6335	,8586	,2793	,4977	7222	− 2,00	—	− 1,00
3354	36 22 20,56	19,112	+9,2355	,7522	,2813	,4785	7226	− 1,26	—	− 4,18
3355	30 19 9,26	19,143	+9,3560	,6830	,2820	,4713	7227	—	—	+ 1,34
3356	59 17 35,46	19,155	−8,4941	−9,9146	+1,2823	+9,4684	7228	+ 9,24	—	+ 7,05
3357	49 47 57,77	19,162	+8,7482	,8633	,2824	,4668	7230	− 0,87	—	− 4,74
3358	51 48 24,28	19,164	+8,5798	,8758	,2825	,4663	7231	− 2,11	—	+ 1,22
3359	56 33 19,11	19,231	+7,6021	,9033	,2840	,4495	7235	− 5,96	− 3,14	+ 5,37
3360	35 37	19,237	+9,2787	,7471	,2841	,4478	7237	—	—	—
3361	42 20 31,35	19,245	+9,1238	−9,8106	+1,2843	+9,4456	7238	− 0,69	—	− 0,52
3362	50 28 13,15	19,315	8,8451	,8711	,2859	,4260	7245	− 1,43	—	− 4,47
3363	51 32 53,78	19,319	8,4314	,8777	,2860	,4251	7246	—	—	− 0,02
3364	43 43 29,67	19,388	9,1430	,8250	,2875	,4034	7249	− 0,96	− 2,90	+ 7,21
3365	28 57 14,15	19,388	9,4116	,6703	,2875	,4034	7250	− 0,88	—	+ 4,63
3366	41 27 18,96	19,391	+9,1987	−9,8064	+1,2876	+9,4025	7251	− 2,68	− 4,00	+ 3,91
3367	46 6 40,73	19,392	9,0755	,8432	,2876	,4020	7252	− 1,16	− 2,83	+ 2,72
3368	43 37 8,35	19,394	9,1461	,8243	,2877	,4015	7253	− 1,17	—	+ 9,97
3369	55 3 20,14	19,443	8,6902	,9006	,2888	,3847	7255	− 2,52	—	+2,0,65
3370	50 29 15,39	19,454	8,9590	,8743	,2890	,3806	7257	− 1,67	− 1,97	− 2,68
3371	41 48 16,39	19,465	+9,2175	−9,8110	+1,2893	+9,3765	7260	− 1,95	− 2,83	+ 4,05
3372	57 33 35,37	19,493	8,5682	,9141	,2899	,3661	7261	− 2,02	− 2,94	+ 4,45
3373	41 58 13,48	19,494	9,2253	,8131	,2899	,3655	7262	—	− 2,52	− 1,10
3374	56 23 52,95	19,500	8,6990	,9089	,2903	,3575	7264	− 1,79	—	+ 9,62
3375	59 6	19,517	8,4472	,9219	,2904	,3564	7265	—	—	—

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	s				
3376	γ Tucanæ	5.6	6	23 8 3,19	+ 3,567	+9,1020	—8,4625	+0,5523	—9,0354
3377	———	8	3	9 11,18	3,557	9,1033	,4538	,5511	9,0371
3378	φ Gruis	6.7	3	9 19,23	3,327	8,9400	,2893	,5220	8,7627
3379	———	7.8	3	9 47,75	3,395	8,9902	,3395	,5308	8,8632
3380	γ App. Sculp.	5.6	3	10 10,45	3,257	8,8920	,2341	,5128	8,6325
3381	Gruis	7.8	3	11 4,77	3,385	+8,9918	—8,3260	+0,5295	—8,8654
3382	———	6.7	2	11 48,96	3,412	9,0169	,3437	,5330	8,9083
3383	Tucanæ	7	2	14 14,48	3,465	9,0722	,3762	,5397	8,9928
3384	Gruis	7	3	14 33,08	3,307	8,9474	,2481	,5194	8,7767
3385	———	7.8	3	14 48,12	3,435	9,0533	,3519	,5359	8,9651
3386	Gruis	7	3	14 57,79	3,318	+8,9585	—8,2552	+0,5209	—8,8001
3387	———	6.7	3	15 13,47	3,407	9,0335	,3275	,5324	8,9343
3388	App. Sculp.	7.8	3	15 46,95	3,268	8,9196	,2083	,5143	8,7094
3389	Tucanæ	5.6	2	16 9,48	3,465	9,0883	,3701	,5397	9,0153
3390	Gruis	6	3	17 37,56	3,399	9,0430	,3124	,5314	8,9486
3391	Tucanæ	6.7	3	18 4,80	3,475	+9,1091	—8,3735	+0,5409	—9,0437
3392	Gruis	8	3	18 16,02	3,366	9,0191	,2814	,5271	8,9105
3393	———	6.7	4	18 15,28	3,365	9,0180	,3803	,5271	8,9086
3394	———	7.8	4	19 57,93	3,362	9,0200	,2751	,5266	8,9117
3395	Phœnicis	6.7	3	20 16,34	3,300	8,9706	,2110	,5185	8,8227
3396	Gruis	7.8	3	20 19,10	3,399	+9,0627	—8,3030	+0,5314	—8,9779
3397	———	7	3	21 55,25	3,271	8,9522	,1742	,5147	8,7841
3398	Phœnicis	6.7	3	22 44,14	3,288	8,9741	,1859	,5169	8,8288
3399	Gruis	7	3	23 12,90	3,263	8,9514	,1576	,5136	8,7819
3400	β App. Sculp.	5.6	3	24 22,74	3,232	8,9262	,1185	,5095	8,7219
3401	Tucanæ	7.8	3	26 9,42	3,376	+9,0912	—8,2605	+0,5284	—9,0181
3402	Phœnicis	7	3	26 12,94	3,253	8,9589	,1273	,5123	8,7970
3403	App. Sculp.	8	3	27 14,70	3,225	8,9340	,0891	,5085	8,7402
3404	Phœnicis	7.8	3	29 13,94	3,255	8,9817	,1098	,5125	8,8418
3405	———	6	3	29 13,20	3,254	8,9810	,1091	,5124	8,8405
3406	Gruis	7.8	2	29 29,49	3,230	+8,9517	—8,0751	+0,5092	—8,7806
3407	Phœnicis	6.7	3	30 18,86	3,248	8,9822	8,0938	,5116	,8425
3408	θ^1 ———	7	3	30 51,23	3,262	8,9908	8,0943	,5121	,8584
3409	θ^2 ———	—	—	30	3,251	8,9908	8,0943	,5120	,8575
3410	———	6	3	32 14,00	3,172	8,8968	7,9786	,5013	,6322
3411	App. Sculp.	7.8	3	32 42,12	3,170	+8,8969	—7,9712	+0,5011	—8,6323
3412	Phœnicis	7.8	3	33 26,13	3,211	8,9579	8,0201	,5066	,7927
3413	———	7.8	3	35 22,42	3,217	8,9822	8,0122	,5074	,8414
3414	Gruis	7	3	37 34,04	3,180	8,9443	7,9318	,5024	,7615
3415	σ Phœnicis	6.7	3	38 45,35	3,220	9,0240	7,9886	,5079	,9150
3416	δ App. Sculp.	5.6	3	40 35,28	3,130	+8,8805	—7,8061	+0,4955	—8,5658
3417	Phœnicis	7.8	3	42 5,63	3,202	9,0388	7,9267	,5054	,9387
3418	———	7·8	3	42 10,30	3,183	8,9991	7,8853	,5028	,8717
3419	Gruis	7	3	43 4,18	3,157	8,9560	7,8202	,4993	,7868
3420	App. Sculp.	7.8	4	43 18,85	3,136	8,9124	7,7695	,4964	,6769

No.	Declination. (South.) Jan. 1. 1840.	Annual Precession	Logarithms of a'	b'	c'	d'	Difference from the Brisbane Catalogue. No.	Right Ascension from M.C.	T.	Declin.
	° ′ ″	″						s.	s.	″
3376	59 6 38,57	+19,534	+8,4914	—9,9223	+1,2908	+9,3493	7267	— 0,75	— 2,30	+ 8,95
3377	59 10 18,02	19,556	8,5441	,9231	,2913	,3399	7270	+ 0,09	— 1,48	— 2,14
3378	41 41 28,45	19,558	9,2528	,8121	,2913	,3387	7271	——	+ 0,19	— 0,12
3379	48 18 27,65	19,558	9,1004	,8624	,2913	,3387	7273	——	——	+ 11,42
3380	33 24 5,48	19,575	9,3874	,7303	,2917	,3319	7274	— 1,18	— 3,01	+ 3,78
3381	48 24 48,73	19,590	+9,1139	—9,8638	+1,2920	+9,3244	7275	— 3,36	——	+ 9,69
3382	51 10 39,63	19,604	9,0414	,8818	,2923	,3173	7276	— 1,85	— 3,34	+ 4,08
3383	56 25 45,42	19,647	8,8808	,9120	,2933	,2953	7278	— 4,17	——	+ 2,35
3384	42 28 41,12	19,652	9,2742	,8208	,2934	,2921	7279	— 2,65	— 2,69	+ 2,74
3385	54 41 28,67	19,656	8,9638	,9032	,2935	,2896	7280	——	— 2,42	— 9,67
3386	44 0 3,04	19,659	+9,2480	—9,8633	+1,2936	+9,2883	7282	— 2,53	— 4,42	+ 7,65
3387	52 45 58,87	19,664	9,0374	,8926	,2937	,2858	7283	— 1,86	——	+ 4,64
3388	38 4 37,68	19,673	9,3502	,7818	,2939	,2806	7284	——	— 2,78	— 4,12
3389	57 43 29,97	19,684	8,8633	,9192	,2941	,2740	7285	——	——	+ 10,27
3390	53 36 20,00	19,704	9,0453	,8983	,2945	,2620	7287	— 2,04	— 2,82	+ 2,80
3391	59 21 30,51	19,711	+8,8195	—9,9273	+1,2947	+9,2572	7289	— 2,19	— 2,78	+ 4,87
3392	51 9 24,69	19,714	9,1206	,8842	,2948	,2551	7290	— 2,69	——	+ 4,00
3393	51 2 11,90	19,714	9,1206	,8834	,2948	,2551	7291	— 0,96	— 1,80	— 2,27
3394	51 13 22,57	19,725	9,1271	,8848	,2950	,2482	7292	— 1,16	——	+ 2,60
3395	45 22 43,43	19,745	9,2624	,8456	,2954	,2339	7294	— 1,13	— 4,32	+ 0,96
3396	55 22 59,01	19,745	+9,0253	—9,9087	+1,2954	+9,2339	7295	— 1,46	——	+ 0,24
3397	42 51 57,18	19,768	9,3160	,8259	,2960	,2161	7296	— 2,84	— 2,91	+ 0,13
3398	45 43 30,51	19,781	9,3075	,8490	,2962	,2061	7297	— 2,01	— 3,16	+ 2,62
3399	42 38 2,13	19,787	9,3203	,8249	,2964	,2007	7298	— 1,79	— 3,26	+ 4,29
3400	38 42 4,32	19,803	9,3856	,7905	,2967	,1871	7300	— 0,97	— 2,40	+ 3,65
3401	57 42 27,57	19,826	+9,0374	—9,9222	+1,2972	+9,1646	7302	— 1,78	— 3,28	+ 5,04
3402	43 34 1,91	19,827	9,3324	,8334	,2972	,1637	7303	— 2,92	— 3,42	— 1,82
3403	39 50 16,73	19,840	9,3856	,8019	,2975	,1507	7305	——	— 2,60	—10,73
3404	46 27 9,72	19,863	9,3075	,8562	,2980	,1242	7308	— 8,11	——	+ 4,22
3405	46 22 34,53	19,863	9,3096	,8556	,2980	,1242	7309	— 4,70	— 3,24	+ 7,81
3406	42 27 0,42	19,864	+9,3655	—9,8250	+1,2981	+9,1195	7310	——	— 3,18	——
3407	46 29 46,41	19,876	9,3160	,8567	,2983	,1079	7313	— 1,12	— 3,06	+ 4,43
3408	47 31 28,49	19,881	9,3010	,8642	,2984	,1000	7314	——	— 2,92	+ 3,28
3409	47 31	19,881	9,3032	,8642	,2984	,1001	7315	——	——	——
3410	42 57 22,15	19,897	9,4757	,7322	,2988	,0786	7316	— 2,03	— 2,85	+ 3,48
3411	32 57 30,66	19,902	+9,4771	—9,7323	+1,2989	+9,0712	7317	— 1,42	——	— 0,31
3412	43 9 10,30	19,909	9,3784	,8320	,2990	,0594	7318	— 1,65	——	+ 2,33
3413	46 20 47,90	19,927	9,3483	,8568	,2994	,0276	7322	——	— 3,89	— 6,64
3414	41 4 8,56	19,947	9,4216	,8152	,2999	8,9855	7324	— 2,24	— 1,43	+ 0,19
3415	51 6 49,79	19,957	9,3075	,8892	,3001	,9628	7326	— 2,53	— 2,83	— 0,29
3416	29 0 49,79	19,970	+9,5315	—9,6838	+1,3004	+8,9241	7330	——	— 3,66	+ 3,68
3417	52 35 23,12	19,982	9,3075	,8986	,3006	,8865	7332	— 0,68	——	— 0,11
3418	48 16 0,10	19,982	9,3655	,8714	,3006	,8849	7333	— 1,94	— 3,22	+ 3,61
3419	42 39 40,95	19,988	9,4314	,8296	,3008	,8630	7336	——	— 3,97	+ 3,17
3420	35 34 50,27	19,990	9,4941	,7634	,3008	,8560	7337	——	— 2,11	— 6,37

No.	Names.	Mag.	No. Obs.	Right Ascen. Jan. 1, 1840.	Annual Precesn.	Logarithms of a	b	c	d
				H. M. S.	S.				
3421	Phœnicis	7.8	3	23 44 42,04	+ 3,194	+9,0669	—7,8854	+0,5043	—8,9815
3422	——	7.8	3	45 0,01	3,170	9,0131	,8238	,5011	,8961
3423	App. Sculp.	7.8	3	46 5,13	3,110	8,8768	,6549	,4927	,5470
3424	—— ——	7	3	46 14,49	3,136	8,9465	,7188	,4964	,7649
3425	ζ —— ——	6.7	3	46 59,83	3,116	8,8987	,6461	,4936	,6321
3426	App. Sculp.	7	3	46 59,81	3,116	+8,8984	—7,6459	+0,4936	—8,6316
3427	Phœnicis	7.8	3	47 2,67	3,159	9,0242	,7694	,4995	8,9146
3428	——	—	—	47	3,147	9,0033	,7251	,4979	8,8788
3429	Tucanæ	6	2	48 20,65	3,176	9,1010	,8006	,5019	9,0301
3430	Phœnicis	7.8	3	48 23,29	3,130	8,9596	,6592	,4955	8,7938
3431	Phœnicis	8	3	49 56,65	3,157	+9,0246	—7,6589	+0,4993	—9,0151
3432	Tucanæ	7	3	50 11,50	3,157	9,0999	,7223	,4993	9,0286
3433	π Phœnicis	7	3	50 37,16	3,140	9,0504	,6510	,4969	8,9562
3434	App. Sculp.	6.7	3	51 14,25	3,097	8,8876	,4588	,4909	8,5911
3435	Phœnicis	7	3	51 29,68	3,129	9,0330	,5903	,4954	8,9287
3436	Phœnicis	8	3	51 52,07	3,126	+9,0317	—7,5712	+0,4950	—8,9267
3437	App. Sculp.	7.8	3	51 58,40	3,107	8,9462	,4783	,4923	8,7636
3438	Phœnicis	7.8	3	52 38,42	3,119	9,0278	,5211	,4940	8,9202
3439	ρ ——	6	3	52 50,07	3,115	9,0126	,4935	,4935	8,8948
3440	——	7	3	53 5,46	3,115	9,0267	,4862	,4935	8,9185
3441	App. Sculp.	7	3	53 27,94	3,100	+8,9461	—7,3876	+0,4914	—8,7632
3442	υ —— ——	7.8	3	53 42,76	3,095	8,9278	,3507	,4907	8,7181
3443	τ —— ——	6	3	54 7,59	3,087	8,8888	,2821	,4895	8,5954
3444	Tucanæ	9	4	54 30,58	3,118	9,1057	,4671	,4939	9,0365
3445	——	8.9	4	55 39,50	3,112	9,1080	,4106	,4930	9,0396
3446	App. Sculp.	7.8	2	55 13,88	3,088	+8,9221	—7,2184	+0,4897	—8,7028
3447	Tucanæ	7.8	3	56 33,47	3,097	9,0960	,2410	,4909	9,0230
3448	App. Sculp.	7.8	2	56 49,32	3,080	8,9209	,0281	,4885	8,6991
3449	Phœnicis	7.8	3	56 59,61	3,089	9,0444	,1314	,4898	8,9468
3450	Tucanæ	7.8	3	57 11,74	3,092	9,0974	,1523	,4902	9,0250
3451	App. Sculp.	7.8	3	58 44,36	3,073	+8,9380	—6,6058	+0,4875	—8,7436
3452	—— ——	7.8	3	59 7,83	3,071	8,9580	6,4217	,4873	8,7898
3453	Tucanæ	7.8	4	59 15,18	3,072	9,0961	6,4629	,4874	9,0231
3454	——	7.8	3	59 20,49	3,071	9,0864	6,3283	,4873	9,0095
3455	App. Sculp.	6.7	3	59 55,08	3,068	8,9074	5,6722	,4868	8,6594

It will be proper to mention, that the places in the Brisbane Catalogue for 1825, have been brought up to 1840 for the sake of comparison, by applying 15 times the annual variation there given when corrected by the tables at pages CXIII and CXIV of Vol. IV. I am ignorant of the source from which the coefficient of precession there employed was derived, but from the character for care and accuracy of the party to whom the reduction of the Brisbane observations was entrusted, and the circumstance of my having arrived at a co-efficient, agreeing almost to identity with that which he has employed, (see note at page CXIX Vol IV) there can I think be little doubt of its accuracy.

No.	Declination (South.) Jan. 1. 1840.	Annual Precession	Logarithms of				Difference from the Brisbane Catalogue.			
								Right Ascension from		Declin.
			a'	b'	c'	d'	No.	M. C.	T.	
	° ′ ″	″						s.	s.	″
3421	55 15 29,41	+19,998	+9,2856	—9,9137	+1,3010	+8,8175	7339	— 1,98	— 3,48	—11,24
3422	49 49 33,68	19,999	,3636	,8821	,3010	,8098	7340	— 3,75	—	+ 8,26
3423	27 55 57,00	20,005	,5514	,6694	,3011	,7773	7342	— 2,78	—	+ 1,63
3424	41 11 29,66	20,006	,4609	,8176	,3012	,7710	7343	— 2,61	— 3,54	+ 0,22
3425	32 48 41,33	20,010	,5250	,7329	,3012	,7468	7344	— 2,27	—	— 4,43
3426	32 46 27,14	20,010	+9,5250	—9,7325	+1,3012	+8,7468	7345	— 1,75	—	— 1,68
3427	51 0 15,83	20,010	,3617	,8897	,3012	,7445	7346	— 1,11	—	+ 0,53
3428	48 40	20,013	,3944	,8749	,3013	,7212	7347	—	—	—
3429	58 2 15,02	20,016	,2718	,9285	,3014	,6991	7348	—	— 3,19	—
3430	43 4 57,93	20,016	,4533	,8336	,3014	,6991	7349	—	— 4,05	— 1,46
3431	51 1 12,76	20,023	+9,3784	—9,8901	+1,3015	+8,6332	7353	— 1,24	—	0,00
3432	58 10 12,01	20,024	,2900	,9283	,3015	,6220	7354	—	— 4,64	—
3433	53 38 17,88	20,025	,3522	,9055	,3016	,6003	7355	— 1,08	— 2,92	+ 4,55
3434	30 22 36,92	20,027	,5527	,7032	,3016	,5708	7358	— 2,71	—	— 2,73
3435	51 53 15,57	20,028	,3802	,8955	,3016	,5570	7359	— 1,02	—	+ 0,60
3436	51 45 32,08	20,029	+9,3838	—9,8947	+1,3017	+8,5392	7361	— 1,46	—	+15,58
3437	41 4 53,76	20,030	,4843	,8171	,3017	,5318	7362	— 2,87	—	+ 7,80
3438	51 20 17,67	20,031	,3927	,8922	,3017	,4930	7364	— 1,92	—	+ 0,47
3439	49 42 3,17	20,032	,4116	,8819	,3017	,4807	7365	— 1,37	—	— 1,04
3440	51 13 43,09	20,033	,3970	,8915	,3017	,4593	7366	+ 3,02	—	+ 4,42
3441	41 2 17,36	20,033	+9,4900	—9,8169	+1,3017	+8,4414	7368	— 2,41	—	+ 2,14
3442	38 7 5,72	20,034	,5132	,7902	,3018	,4227	7369	— 1,55	—	+ 5,06
3443	30 36 43,79	20,035	,5587	,7064	,3018	,3931	7370	—	— 2,26	— 0,92
3444	58 31 23,77	20,036	,3181	,9306	,3018	,3613	7371	— 2,34	—	+ 6,58
3445	58 43 4,39	20,037	,3201	,9315	,3018	,3025	7372	—30,35	—	+ 1,45
3446	37 8 33,02	20,037	+9,5250	—9,7805	+1,3018	+8,2962	7373	— 1,72	— 4,59	+ 0,02
3447	57 43 58,40	20,039	,3444	,9269	,3019	,1449	7375	+ 0,72	—	+ 3,69
3448	36 54 33,76	20,039	,5312	,7782	,3019	,1072	7376	— 2,05	—	+ 2,53
3449	53 2 10,89	20,040	,4024	,9023	,3019	,0870	7377	— 3,17	—	— 3,40
3450	57 50 42,72	20,040	,3464	,9275	,3019	,0548	7378	— 1,00	— 2,23	+ 1,36
3451	39 46 10,36	20,041	+9,5211	—9,8056	+1,3019	+7,6678	7379	— 2,95	—	— 3,10
3452	42 46 49,84	20,041	,5024	,8317	,3019	7,4637	7380	—	— 2,20	—
3453	57 43 35,65	20,041	,3636	,9270	,3019	7,3668	7381	— 1,39	—	— 0,50
3454	56 54 10,94	20,041	,3729	,9230	,3019	7,2419	7382	— 1,61	—	+ 3,71
3455	34 25 13,95	20,041	,5539	,7520	,3019	6,7648	7383	— 1,57	—	+ 1,70

On inspecting the column "Difference from the Brisbane Catalogue"—it will be observed that a great number of blanks occur:—several, and by far the greater number of these, it will be found—arise from the Star's place not having been given in the Brisbane Catalogue; there are several other blanks however, which arise from other causes, such as the star not being visible, or the difference being immoderately large &c. &c.; in all these cases I have gone back to the originial observations, and after bestowing considerable pains in endaevouring to account for the one or the other, have come to the following conclusions.

24 The Declination differs 9′ 55″,64—The Brisbane Catalogue appears to be 10′ in error. (see errata.)

53 In the Brisbane Catalogue, the A. R. of No. 52 has probably been observed.

78 If there *is* a star here, it must be a very faint one—one not visible at Madras.

117 Apparently an error of 30 seconds in the A. R. set down in the Brisbane Catalogue.

137 No star nearer to the place assigned in the Brisbane Catalogue than that here given.

153 Exhibits a large difference in the A. R. This star was inserted in the present catalogue through inadvertence, as its place had already been given from former observations in Vol. IV. thus

Vol. IV. No. 126; from 2 observations reduced to January 1, 1840 the A. R. = 1*h*. 0*m*. 28,67*s*.
—— V. No. 153; —— 3 —— —— —— = 29,02

166 Apparently an error of 30 seconds in the A. R. set down in the Brisbane Catalogue.

174 The N. P. D. in the Brisbane Catalogue appears to be 1′ in error.

222 No star here.

256 The A. R. in the Brisbane Catalogue appears to be one minute in error.

290 Probably an error of 30 seconds in the Brisbane Catalogue, as there is no other star.

347, 348 Both of these stars were observed on the *same* evening; the large differences—both in A. R. and Declination, are no doubt due to proper motion; i. e. No. 348 exhibits an A. P. M. in A. R. of nearly 4 seconds of *space*

349 Is this the result of P. M.?—If not, the Brisbane Catalogue is probably 20 seconds in error.

416 No star here.

429 Has been looked for repeatedly. No star here: probably 420 has been observed, and the Declination registered 10 degrees wrong.

467 The A. R. in the B. catalogue is no doubt one minute in error.

470 There is no Star in the place assigned by B., there is however another star, near to 473—whose place has been observed as follows

from 3. obs. 8. mag. { A. R. Jan. 1. 1840 2*h*. 59*m*. 37,03*s*. } { Declination Jan. 1. 1840 —51°. 56′. 47,07″. }

483 Is one of a cluster of stars: in selecting the most conspicuous one for observation, it appears I have not hit upon the one observed by B. thus

from 3. obs. 8. mag. A. R.=3*h*. 3*m*. 8,67*s*. Declin.—51°. 2′. 41″,09.

489 Differs—4′. 57″,32 in Declination. B. is probably 5′ in error.

494 No star here:—same as 495.

525 No star here:—probably the A. R. given by B. is 15 seconds in error.

539 No star here:—probably the Declin. given by B. is 10 minutes in error.

542 Differs—1′. 25″,89. in Declination from the B. place. Have I observed a wrong star with the circle?

563 The Declination in the B. catalogue appears to be 10′. in error.

585 No star here. The nearest star is situated as follows

from 4 obs. 9 mag. { A. R. Jan. 1 1840 3*h*. 36*m*. 16,55*s*. } { Declin. Jan. 1. 1840 —60°. 36′. 8″,86. }

605 The A. R. in the B. catalogue appears to be 30 seconds in error.

604 No star here. The nearest star is situated as follows

from 4 obs. 7 mag. { A. R. Jan. 1. 1840 3*h*. 39*m*. 56,71*s*. } { Declin Jan. 1. 1840 —48°. 33′. 37″,74. }

686 The A. R. in the B. catalogue is probably 10 seconds in error.

705 The A. R. in the B. catalogue is probably 30 seconds in error

721 Two stars have been observed here:—that set down, differs in A. R. about two minutes from the B. catalogue: one or other is no doubt wrong.—The other star is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7 mag.	4*h*. 25*m*. 10,04*s*.	—30° 7′ 27″,53.
Differs from B.	—56,49.	—29 ,43.

785 The A. R. in the B. catalogue appears to be 45 seconds in error.

824 The A. R. in the B. catalogue appears to be 10 seconds in error.

890 No star here. The nearest star is situated as follows.

	A. R. Jan. 1. 1840.	Declin Jan. 1. 1840.
From 2 obs. 10 mag.	5*h*. 5*m*. 39,39*s*.	—49° 10′

909 Was not observed in consequence of an error in the observing catalogue.

917 The re-observation of this star does not exhibit proper motion, hence I conclude the B. catalogue to be in error.

981 The B. catalogue appears to be 10 seconds in error.

986 Differs +10′ 7″,14 from the B. catalogue.

1045 Differs +1′ 58″,71. from the B. catalogue.

1046 Differs —5′ 1″,89. from the B. catalogue: re-observation exhibits no proper motion.

1058 The B. catalogue appears to be one minute in error in the A. R.

1062 It appears that I have inadvertently re-observed 1056. I rather suspect that there is no star here.

1115 The nearest star to the place assigned by B. is as follows

	A. R. Jan. 1. 1840.	Delin. Jan. 1. 1840.
From 2. obs. 6.7 mag.	5*h*. 56*m*. 19,32*s*.	—43° 54′ 29,″67.
Differs from B.	—25,54.	+ 6 25, 15.

1121 This large difference in the A. R. I suspect arises from proper motion.

1123 } 1124 } I had selected the first of these for observation, but have inadvertently observed the second thus

	A. R. Jan. 1. 1840.	Declin Jan. 1. 1840.
From 6 obs. 6.7 mag.	5*h*. 58*m*. 8,34*s*.	—58° 6′ 18,″93.
Differs from B.	M. C.—2,83.	+ 6, 93.
———	T. —3,61.	———

1126 No star here.

1135 There *is* a star here, but being of the 11th magnitude, it could not with any degree of accuracy be observed.

1141 No star here:—probably B. has re-observed 1134 with an error of one minute in the A. R.

1146 No star here:—two stars near to the place assigned by B. have been observed, thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8.9 mag.	6*h*. 2*m*. 13,62*s*.	—59°. 48′. 34″,31.
— 2 obs. 9 mag.	2. 27,33.	—59. 46. 56 ,31.
— B. catalogue.	1. 40,85.	—59. 48. 43 ,60.

1160 No star here:—two stars in the neighbourhood have been observed; thus

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs. 9.10 mag.	6*h*. 3*m*. 25,17*s*.	—32°. 23′. 19″,58.
— 2 obs. 8. —	4. 27,53.	—32. 24. 15 ,77.
— B. catalogue	4. 9,18.	—32. 16. 20 ,95.

1171 No star here:—The nearest star is situated as follows

	A. R. Jan. 1. 1840.	Declin. Jan 1. 1840.
From 2 obs. 7.8. mag.	6h. 5m. 45,25s.	—31°. 56′. 27,″36.

1200 The B. catalogue appears to be one minute in error in the A. R.

1211 Has been overlooked.

1239 Is probably too faint for observation at Madras.

1277 There is a star of the 11th mag. in or near to the place assigned by B.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
1308	From 1 obs. 6 mag.	6h. 32m. 36,07s.	—38°. 0′. 53″,92.
	Differs from B.	———	— 4. 50 ,34.

1315 No star here:—The Declination set down refers to No 1307, which has been re-observed for 1315. There appears to be an error of 1 minute in A. R. in the B. catalogue.

1321 Same as 1320.

1353 A star of the 9th mag. follows this at 1,17s. and 51″,1 to the North.

1362 The Declination set down in the B. catalogue appears to be 1′. in error.

1398 No star here:—The nearest stars to the place assigned in the B. catalogue are situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 7.8 mag.	6h. 49m. 37,04s.	—37°. 17′. 55″,37.
— 4 obs. 8 —	49. 32,21.	—37. 24 13 ,14.
— B. catalogue.	48. 17,48.	—37. 21 40 ,16.

1441 No star here:—same as 1450.

1482 The A. R. in the B. catalogue appears to be 1 minute in error.

1487 Was inserted in the catalogue through inadvertence.

1491 The A. R. in the B. catalogue appears to be 10 seconds in error.

1501 The Declination of this star as set down in the B. catalogue appears to be 1′. in error.

1531 No star here:—probably the same as 1532, save that an error of 30′ in the Declination and 1 minute in A. R. exists in the place set down in the B. catalogue.

1543 No star here:—the nearest star to the place assigned in the B. catalogue is as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 7 mag.	7h. 11m. 32,11s.	—50°. 13′. 9″,32.
Differs from B.	+ 52,97.	+ 9. 28 ,22.

1574 I hesitated to insert the place of this star in the catalogue, in consequence of some doubt relative to the observed A. R.; but with this by way of caution, and after a careful re-examination, I may now give the results.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 6.7 mag.	7h. 16m. 45,84s.	—52°. 1′. 7″,98.
Differs from B.	— 34,48.	— 0 ,05.

1577 The place of this star was not inserted in the catalogue, from my fears that the A. R. of 1578 had been by mistake observed: with this doubt still on my mind I will give the results.

	A. R. Jan. 1 1840.	Declin. Jan 1 1840.
From 2 obs. 7 mag.	7h. 16m. 30,22s.	—51°. 53′. 52″,90.
Differs from B.	— 8,75.	+ 4 ,06.

1567 The A. R. in the B. catalogue appears to be 1 minute in error. (see errata)

1573 The A. R. in the B. catalogue appears to be in error.

1608 The A. R. of this star as set down in the B. catalogue appears to be about 50 seconds in error.

1645 No star here:—probably 1644 with 1°. error of Declination.

1662 The Declination in the B. catalogue appears to be 1′. in error.

1685 This star has not been observed, the A. R. as set down—is a re-observation of No. 1683.

1696 The Declination from the B. catalogue Differs 3′. 59,″36; our result appears correct.

1710 A very faint star;—one that could not be accurately observed.

1751 The Declination differs —4′. 17,″16. from that deduced from the B. catalogue, and the A. R. too,—exhibits a *plus* instead of a *minus* difference: has this star a large proper motion?

1782 Has been looked for but not observed; I suspect the place given in the B. catalogue to be incorrect.

1791 It would appear that I have not observed the star intended by B., in which case it will be as well to set down all I *have* observed: thus.

		A. R. Jan. 1. 1840	Declin. Jan. 1. 1840.
From 3 obs.	7 mag.	7*h*. 44*m*. 32,12*s*.	—54° 18′ 54″,49.
— 3 obs.	7 —	45 56,52.	—54 21 2 ,15.
—B. catalogue		45 42,50.	—54 21 4 ,98.

1809 The Declination from the B. catalogue appears to be 1′. in error.

1821 The A. R. from the B. catalogue appears to be 10 seconds in error.

1832 The A. R. from the B. catalogue, appears to be 10 seconds in error.

			A. R. Jan. 1, 1840	Declin. Jan. 1, 1840.
1837	From 3 obs. 7.8 mag.	——	7*h*. 52*m*. 55,99*s*.	— 28° 55′ 1″,73.
	Differs from B.		——	+ 4 7 ,54.
	——		+33,45.	——
	Have I observed the right star?			

1845 Not observed,—Is this the same as 1849?

1848 Was by mistake inserted twice in the catalogue, previously to being re-examined to discover which was the right star: the cause for this re-examination, was, that I had observed this star four times as being *double*, whereas B. had not noticed this circumstance (see errata.)

1857 Same as 1854.

1862 There are so many stars here of the 6. 7. magnitude that it is almost impossible to identify any single one.

1875 Is a double star as mentioned by B. who it would appear has observed the first.

1877 Was inserted in the catalogue by mistake, it not having been observed.

1886 The A. R. in the B. catalogue appears to be 30 seconds in error.

1893 If there is any star here it must be a faint one, has not 1895 been re-observed by B?

1909 The A. R. from the B. catalogue appears to be 40 seconds in error.

1913 The A. R. from the B. catalogue appears to be 10 seconds in error.

1958 No star here. B. says 'it forms one of a group.'

1966 Plenty stars here. I have it appears not observed the star selected by B. but have observed two other stars,

		A. R. Jan 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs.	7 mag.	8*h*. 11*m*. 23,78*s*.	—34°. 40′. 45,80°.
— 2 obs.	7.8 —	13. 37,34	—34. 48. 53,66 .

1987 The A. R. from the B. catalogue appears to be 10 seconds in error.

1992 The A. R. of this star was accidentally omitted in the catalogue, thus
From 5 obs. A. R. Jan. 1. 1840 =8*h*. 15*m*. 45,38*s*. Diff. = +20,58*s*.
or it would appear the A. R. from the B. catalogue is 20 seconds in error.

2028 The Declination from the B. catalogue appears to be 1′. in error.

2029 No star here :—probably the same as 2027.

2040 The large differences here met with probably arise from proper motion.

2045 Same as 2044.

2050 No star here.

2052 The Declination from the B. catalogue appears to be 10′. in error.

2079 The A. R. from the B. catalogue appears to be one minute in error.

2111 No star here: two stars near to this have been observed as follows.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs.	9 mag.	8*h*. 30*m*. 32,80*s*.	—56°. 59′. 29″,12.
— 2 obs.	9 —	8. 31. 6,02.	—56. 59. 29 ,72.

2142 Has been repeatedly overlooked, is not this the same as 2143 ?

2191 No star here. Three stars near to this place been observed : thus.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs.	7.8 mag.	8*h*. 39*m*. 19,33*s*.	—47°. 24′. 25″,76.
— 1 —	8 —	8. 40. 27,40.	—47. 20. 50 ,25.
— 1 —	8 —	8. 41. 8,85.	—47. 19. 36 ,95.

2210 Other stars have been observed.

2240 No star here, two other stars have been observed as follows.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs.	7.8 mag.	8*h*. 44*m*. 23,48*s*.	—53°. 40′. 46″,02.
— 2 obs.	8 —	8. 46. 13,18.	— 34 . 48 ,77.

2245 No star here.

2246 The A. R. from the B. catalogue appears to be 30 seconds in error: (see errata)

2316 The Declination from the B. catalogue appears to be 50′ in error.

2331 The nearest star to the place indicated by B. is situated as follows.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs.	10 mag.	9*h*. 0*m*. 11,46*s*.	—60°. 36′. 53″,63.

2347 The A. R. from the B. catalogue appears to be one minute in error.

2363 I have probably observed a different star from that noticed by B.

2371 The nearest star to the place indicated by B. is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 5 obs. 9 mag.	9*h*. 4*m*. 23,30*s*.	—51°. 36′. 39″,93
Differs from B.	+ 27,24	— 33 ,66

2383 I have observed another star.

2377 The A. R. from the B. catalogue appears to be 1 minute in error.

2468 The nearest stars to the place indicated by B. are situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7.8 mag.	9*h*. 17*m*. 55,69*s*.	—52°. 12′. 5″,40
— 2 — 8 —	9. 18. 4,34	—52. 3. 49 ,48

2473 The A. R. from the B. catalogue appears to be 10 seconds in error.

2484 The Declination from the B. catalogue appears to be 5′ in error.

2502 The nearest stars to the place indicated by B. are situated as follows.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs.	10 mag.	9*h*. 21*m*. 7,81*s*.	—52°. 17′. 9″,50
— 2 —	9 —	9. 23. 47,11	—52. 21. 28 ,75

2510 No star here. The nearest star to the place indicated by B. is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7.8 mag.	9*h*. 22*m*. 56,70*s*.	—47°. 46′. 48″,14

2533 No star here:—same as 2524.

2538 No star here:—same as 2530.

2548 No star here:—same as 2539.

2556 No star here:—same as 2558 with 30 seconds error of A. R.

2560 This star is probably affected with a large proper motion.

2618 No star here.

2731 This star is probably affected with a large proper motion.

2743 Not seen:—probably same as 2736 with 1*m* error in A. R.

2774 No star here:—same as 2776.

2798 Was inserted in the catalogue through inadvertence, as it had not been looked for.

2797 The A. R. from the B. catalogue appears to be 30 seconds in error.

2808 The A. R. from the B. catalogue appears to be 20 seconds in error.

2814 Same as 2815 with an error of 5′ in Declination.

2824 Not observed with the circle through a mistake of 1° in the N. P. D.

2837 The Declination from the B. catalogue appears to be 1′ in error.

2847 The Declination from the B. catalogue appears to be 5′ in error.

2868 No star here: probably same as 2864.

2876 The Declination from the B. catalogue appears to be 1′ in error.

2939 No star here:—same as 2943.

2947 This star is probably affected with a large P. M.

2957 No star here.

2959 The A. R. from the B. catalogue appears to be 30 seconds in error.

2965, 2966, 2967, 2971 The occurrence of several stars in the field has given rise to some confusion and the omission from the catalogue of 2966 and 2967: The following will I believe be found correct.

		No. obs.	mag.	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.	Diffs. from B. cat.	
2965	From	3	7	10*h*. 14*m*. *s*.**	—59°. 4′. 51″,46	*s*——	—3″,88
2966	—	4	7	14. 34,75	—58. 51. 4 ,27	—0,87	—0 ,97
2967	—	6	7.8	14. 36,89	**	—2,01	——
2971	—	3	7	14. 56,47	—58. 49. 50,67	—2,23	+4 ,12

** Other stars observed

2977 No star here:—probably the same as 2985.

2979 No star here:—probably the same as 2981.

2983 The A. R. from the B. catalogue appears to be 10 seconds in error.

2990 The A. R. from the B. catalogue appears to be one minute in error.

3020 No star here:—I have observed a small star near to this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 9.10 mag.	10*h*. 20*m*. 15,63*s*.	—52°. 37′. 22″,00

3029 Is probably affected with P. M. in Declination.

3056 No star here: probably the same as 3052.

3061 The Declination from the B. catalogue appears to be 1′ in error.

3063, 3066 The A. R. from the B. catalogue appears to be one minute in error.

3077 The place of this star was not inserted in the catalogue in consequence of a large difference in the Declination from that assigned by B. my observations give as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7.8 mag.	10*h*. 26*m*. 45,81*s*.	—47°. 2′. 5″,43
Difference from B.	— 1,70	+ 7. 7 ,39

3076 The result here given is a re-observation of 3066, save that the A. R. is one second in error. There is I believe no star here.

3078 Several stars here: I either have observed the wrong one, or the A. R. from the B. catalogue is 30 seconds in error.

3081 Has this star any P. M. in Declination?

3090 I have observed a star near to this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7.8 mag.	10*h*. 29*m*. 18,04*s*.	—50°. 36′. 8″,56
Difference from B.	— 37,93	— 2. 47 ,94

3100 No star here, probably the same as 3099.

3115 I have observed two stars here, neither of which agree with B. thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.	Diff. from B. Cat.
From 2 obs. 7.8 mag.	10*h*. 29*m*. 44,34*s*.	—57°. 23′. 47″,08.	+ 44*s*,45 + 0′. 5″,27
— 1 — 8 —	30. 11,90.	—57. 26. 54 ,75.	+ 16 ,89 — 3 . 2 ,40

3126 Is not this the same as 3128 with 10 seconds error in A. R.?

3150 No star here: probably the same as 3159 with 1*m*. error in A. R. and 10′. error in Declination.

3155 The place of this star was not inserted in the catalogue on account of a large difference in the A. R. from that assigned to it in the B. catalogue; thus.

	A. R. Jan. 1. 1840.	Declination.
From 2 obs. mag.	10*h*. 35*m*. 1,78	—38°. 51′. 30″,59
Difference from B.	— 16,77	— 9 ,58

3168 The A. R. from the B. catalogue appears to be one minute in error.

3177 Three observations at either instrument intended for this star, turn out to be a re-observation of No. 3175, and no mention of another star being visible is made:—what has become of 3177?

3254 No star here: same as 3255.

3271 The Declination from the B. catalogue appears to be 10′. in error.

3272 Was inserted in the catalogue by mistake as it had not been looked for.

3275 No star here: probably a re-observation of 3274 with 1°. error in Declination.

3326 I have re-observed 3317 for this star: is there such a star as 3326?

3356 The A. R. from the B. catalogue appears to be 10 seconds in error.

3365 The A. R. from the B. catalogue appears to be 10 seconds in error.

3397 No star here: same as 3394. I have observed a small star near to place indicated by B. as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 9 mag.	10*h*. 59*m*. 46,81*s*.	—52°. 26′. 9″,38
Difference from B.	— 9,70	— 1. 36,28

3405 I had committed an error in the observing catalogue by which this star has not really been looked for.

3435 The A. R. from the B. catalogue appears to be 30 seconds in error.

3438 If this star really existed as it appears in the B. catalogue—so near to 3437,—would it not have been marked double? It is I think more than probable, that the place in the B. catalogue is in error. My observations give as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 9 mag.	11*h*. 4*m*. 34,31*s*.	—59°. 30′. 31″,47
Difference from B.	— 37,80.	+ 5 ,92

3451 I have observed No. 3447 instead of this, whereas it appears from the B. catalogue that the former is the brighter star. Is not the place in the B. catalogue a re-observation of 3450 with 2° error in the Declination?

3458 I have observed a star near to this, as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 9 mag.	11*h*. 5*m*. 25,71*s*.	—28°. 59′. 12″,62
Difference from B.	+ 16,73	— 4. 24 ,90

3460 There is a star situated in the neighbourhood of the place assigned by B. thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 10 mag.	11*h*. 5*m*. 8,41*s*.	—60°. 34′. 12″,92
	+ 30,96	— 6. 48 ,99

3482 No star here: same as 3481.

3487 Is this large difference of Declination the result of proper motion?

3505 I have observed two stars here, neither of which agree with B. thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs.	11*h*. 8*m*. 35,58*s*.	—36°. 57′. 15″,92.
— 2 —	11. 10. 18,95	—36. 54. 30 ,99
whereas, from B. catalogue	11. 9. 32,35	—36. 58. 29 ,89

3512 No star here: perhaps a re-observation of 3513 with 1° error in Declination.

3518, 3519 The B. right ascension of each of these, appears to be 10 seconds in error.

3526 No star here: same as 3532.

3552 I have once observed a star near to this, but the observation being marked Doubtful, it will be better not to give it: I think however, that the B. place of this star is erroneous.

3569 The A R. from the B. Catalogue appears to be one minute in error.

3577 No star here: same as 3578.

3587 No star here: same as 3584. The declination set down, is a re-observation of 3584.

3623 The A. R. from the B. Catalogue appears to be 10 seconds in error.

3630 No star here.

3642, 3643 Nos. 3631 and 3633 have been inadvertently observed instead of these.

3672 B. says "A prodigious number of small stars here &c." Why was not the same remark made with reference to 3666? I think there must be some mistake in the B. place. No star here.

3688 The A. R. from the B. Catalogue which was determined with the transit Instrument, probably pertains to another star;
I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 7.8 mag.	11*h*. 29*m*. 40,89*s*.	—38° 28′ 20″,19
— the B. Catalogue.	30. 34,47	—38. 28. 30 ,20

3704 Have I observed a different star from that intended by B. or is this a case of large P. M.?

3762 The most conspicuous star and indeed the only observable one in this neighbourhood, is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 9.10 mag.	11*h*. 39*m*. 33,95*s*	—61° 44′ 14″,58
— the B. Catalogue { M. C.	38. ——	—61 45. 38 ,52
— the B. Catalogue { T.	45,90	

3784 No star here: probably B. has re-observed 3800 with an error of two minutes in the A. R.

3836 B. says "Double, unequal." I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs. * 9 mag.	11*h*. 48*m*. 37,19*s*.	—31°. 22′. 47″,36
— 1 obs. * 9 mag.	48. 38,72	—31. 22. 47 ,36
— the B. Catalogue.	48. 35,87	—31. 22. 43 ,05

* Haze,—not to be depended upon in consequence.

3869 No other star in the neighbourhood :—The declination from the B. Catalogue is no doubt five minutes in error.

3889 No star here : same as 3890.

3928 On examining the transit observations of this star, at first I felt disposed to admit—that I *might* through inadvertence have observed 3930 instead of 3928, but on further search, I find that *both* of these stars were observed on the *same* evening; the former at the three first wires, and the latter at the other two. The A. R. from the B. Catalogue is no doubt erroneous.

3937 The A. R. from the B. Catalogue appears to be 10 seconds in error.

3952 See errata.

4011 The nearest star to the place assigned by B. is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 8 mag.	12*h*. 12*m*. 17,47*s*.	—26°. 55′. 25,29
— the B. Catalogue.	12. 34,22	—26. 50. 49,75

4020 The observing N. P. D. was taken out wrong.

4026 Was inserted through inadvertence, as 4023 had been re-observed instead of it. Is there any star here?

4040 The nearest star to the place assigned by B. is situated as follows.

	A. R. Jan. 1. 1840.	Declin Jan. 1. 1840.
From 3 obs. 10. mag.	12*h*. 16*m*. 33,76*s*.	—56°. 45′. 43″,94
— the B. Catalogue	15. 51,92	—56. 44. 30 ,31

4065 No star here.

4079 No star here.

4088 No star here.

4111 No star here.

4133 The observing N. P. D. was taken out wrong.

4152 No star here : same as 4148.

4208 I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs. 9 mag.	12*h*. 41*m*. 3,24*s*.	—59°. 47′. 24″,37.
— the B. Catalogue	41. 49,92	—59. 44. 19 ,56

4229 I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 8.9 mag.	12*h*. 45*m*. 58,66*s*.	—59°. 46′. 50″,07
— the B. Catalogue.	44. 28,18	—59. 44. 17 ,92

4268 Has been inserted in the Catalogue through inadvertence.

4272 I have observed 4275 instead of this :—does 4272 exist?

4292 No star here : perhaps B. has re-observed 4291 with an error of 1° in declination.

4295 The place of this star in the B. Catalogue is probably wrong, from a typographical error.

4326 There is another star here, but I have some doubts about the accuracy of the observations.

4333 The declination from the B. Catalogue appears to be 10′ in error.

4347 The A. R. from the B. Catalogue appears to be 10 seconds in error.

4355 These large differences are perhaps due to proper motion.

4359 The A. R. from the B. Catalogue appears to be 10 seconds in error.

4379 No star here.

4391 I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 8.9 mag.	13*h*. 9*m*. 0,83*s*.	—46°. 15′. 25″,42
— the B. Catalogue	8. 35,97	10. 18 ,85

4430 No star here.

4440 No star here: same as 4439.

4455 The observing N. P. D. was taken out wrong.

4463 No star here: same as 4462.

4486 No star within 10 or 15 minutes of this.

4493 I have observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 7.8. mag.	13*h*. 22*m*. 2,45*s*.	—47°. 0′. 45″,76
— the B. Catalogue	20. 59,25	—47 2. 43 ,81

4501 No star here: probably B. has re-observed 4524 with 2 minutes error in A. R.

4516 No star here: same as 4518.

4520 The S. P. D. set down in the B. Catalogue pertains to No. 4529;

4536, 4537, 4538 } Only one star here, namely 4537.

4543 No star here: probably B. has re-observed 4544 with 1° error in declination.

4562 The declination from the B. Catalogue appears to be 1′ in error.

4565 No star here: probably B. has re-observed 4568, with an error of 20 seconds in the A. R.

4573 No star here.

4601 No star here: probably B. has re-observed 4599 with 20 or 30 seconds error in the A. R.

4609 No star here: same as 4604, with 1 minute error in the A. R.

4631 No star here: same as 4629, with 5′ error in declination.

4641 No star here: same as 4633, with 1 minute error in the A. R.

4651 The A. R. from the B. Catalogue appears to be 1 minute in error.

4652 No star here: same as 4656.

4703 See errata.

4721 No star here: same as 4722.

4744 No star here: probably B. has re-observed 4743, with an error of 1° in the declination.

4776 This star was inserted in the catalogue through inadvertence as it had not been observed.

4794 I have observed another star; thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 3 obs. 8. mag.	14*h*. 3*m*. 7,16*s*.	—55° 18′ 32″,14
— the B. catalogue	2 11,13	—55 16 38 ,37

4801 No star here: probably B. has re-observed 4800, committing an error of 1° in the declination.

4817 No star here: probably B has re-observed 4818, committing an error of 10° in the declination.

4837 No star here.

4841 No star here.

4862 I have observed as follows.

	A. R. Jan. 1. 1840.	Declination Jan. 1. 1840.
From 1. obs. 10 mag.	14*h*. 10*m*. 19,26*s*	—36° 6′ 53″,09
— the B. catalogue	10 46,87	—36 7 40 ,33

4900 The declination from the B. Catalogue appears to be 1′ in error.

4906 I have re-observed 4916: is there any other star?

4907 No star here: same as 4898 with one minute error in the A. R.

4921 The A. R. from the B. Catalogue appears to be one minute in error.

4956 See errata. This star was observed on the same evening with 4955: according to the B. catalogue these two constituted a pretty close double star—is there another star?

4988 No star here:— same as 4989.

5003 No star here: same as 5009 with an error of one minute in the A. R.
5006 The A. R. from the B. Catalogue appears to be one minute in error.

5008 The A. R. from the B. Catalogue appears to be one minute in error.

5017 I have observed as follows.

	A. R. Jan. 1. 1840.	Declin Jan. 1. 1840.
From 1 obs. 9 mag.	14*h*. 31*m*. 55,12*s*	—45° 56′ 2″,65
— the B.	32 34,99	—45 53 2 ,20

Has not B. re-observed 5016 with an error of 1° in the declination?

5075 No star here: same as 5074.

5076 No star here: same as 5074.

5088 No star here:—same as 5089 with an error of 10′ in declination?

5100 No star here:— perhaps B. has re-observed 5101, with an error of 1° in declination.

5126, 5128 } Only one star here:—namely 5128.

5127 No star here: perhaps B. has re-observed 5128, with an error of 1° in the declination.

5142 The A. R. from the B. Catalogue appears to be one minute in error.

5154 No star here: probably B. has re-observed 5155 with an error of 10′ in declination.

5183 Do these differences arise from error in the B. Catalogue or from proper motion?

5194 The A. R. from the B. Catalogue appears to be 30 seconds in error.

5201 This is a double star. In the catalogue, the 1st in order of A. R. is given; the second is situated thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 9 mag.	15*h*. 0*m*. 5,25s	—43°. 5′ 45″,87

5211 This star has been observed by me as the companion to 5206, which B. notes as "double unequal" The B. Catalogue appears to be 20 seconds in error.

5228 No star here: same as 5229 with an error of 5′ in the declination.

5235 Is the large difference of Declination here found due to proper motion?

5253 No star here:— probably the same as 5251.

5292 No star here:—probably the same as 5289, with an error of 10 seconds in the A. R.

5314 No star here. This star was introduced into the catalogue through inadvertence, as its declination exceeds the limits to which I had intended to observe: probably B. has re-observed 5311 which *has* been observed.

5327 No star here:—probably B. has re-observed 5316, with an error of one minute in the A. R.

5350 No star here: probably B· has re-observed 5346, with an error of thirty seconds in the A. R.

5382 The Declination from the B. Catalogue appears to be 5′ in error.

5393 This star—if it exists, has been overlooked, and 5392 re-observed instead of it.

5427 No star here: probably B. has re-observed 5428 with an error of 15′ in the declination.

5433 The A. R. from the B. catalogue is probably ten seconds in error.

5447 No star here: same as 5449.

5515 This is a double star. In the catalogue, the first in order of A. R. is given; the second is situated thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8 mag.	15*h*. 43*m*. 5,12*s*.	—49°. 51′. 5″,17

5525 No 5521 has inadvertently been observed instead of this.

5613 This is a close double star:—B. "says double unequal." In the catalogue, the first star in order of A. R. is given; the second is situated thus.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs. 7.8 mag.	15*h*. 59*m*. 22,34*s*	—32°. 12.′ 58″,97

5615 No star here: —B. has probably re-observed 5626, with an error of one minute in the A. R.

5622 This star has only once been looked for, when it was not seen. Has B. re-observed 5634 with two minutes error of A. R?

5639 This star has been over-looked, and 5649 re-observed instead of it.

5647 No star here: same as 5646.

5665 No star here: same as 5670.

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5704 The A. R. from the B. Catalogue appears to be one minute in error.

5753 This star has been observed as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 7.8 mag.	16*h.* 22*m.* 46,39*s.*	—49° 2′ 56″ ,65
—the B. Catalogue	23 22,48	3 1 ,89

5789 The A. R. from the B. Catalogue appears to be twenty seconds in error.

5792 Preceeding this—is a star of the 8th magnitude, I″ 3 to the north, and following it, at 6 seconds—is a star of the 8.9 mag. 30″ to the north. B. does not mention this as being double.

5877 No star here:— probably the same as 5869, with an error of one minute in the A. R.

5883 This star has only been looked for once, when a different one from that set down in the B. catalogue was observed. The assistant noted "plenty stars here."

5887 Has this star a large P. M. in A. R-?

5929 No star here:—same as 5927

5960 Only one observation—Either Brisbane or myself have probably committed an error of 1′ in the Declin.

5968 The B. Catalogue appears to be 40 seconds in error in the A. R.

6038 A wrong star has been observed at the circle.

6061 A Star has been observed for this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. I. 1840.
From 1 obs. 7.8 mag.	17*h.* 12*m.* 45,43*s.*	—37° 38′ 19″,47
Differs. from B.	+ 45,13	— 24 ,10

6233 No star here:—same as 6227

6250 The nearest star to the place indicated by B. is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. mag. 8	17*h.* 44*m.* 12.66*s.*	—35° 2′ 39″,09
Differs from B.	+ 33,50	— 2. 53 ,44

Has not B. re-observed No 6255. with an error of 40 seconds in A. R. and 1′ in Declination?

6253 This star was inserted through inadvertence, as it had not been looked for.

6309 A Star has been observed near to this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8.9 mag.	17*h.* 56*m.* 13,44*s.*	—36° 36′ 47″,69
Differs from B.	+ 8,47	+ 21 ,05

6314 The same as 6317. Another star has been observed near to this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 1 obs. 8 mag.	17*h.* 58*m.* 3,39*s.*	—44° 57′ 39″,56
Differs from B.	— 10,95	— 2 30 ,26

6383 No star here.

6385 A Star has been observed for this as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8.9 mag.	18*h.* 13*m.* 49,49*s.*	—53° 42′ 29″,45
Differs from B.	— 1 5,05	+ 31 ,02

6437 The Brisbane Catalogue appears to be 5′ in error in the Declination.

6475, 6476, 6477 } Only one Star here, viz No 6477.

6543 Is marked *double* in the B. Catalogue. It is strange that two stars should exist so close to one another as 6542 and 6543—both of the 6th magnitude,—and that the double Star should have been overlooked by Piazzi as well as myself. Is not the Brisbane Catalogue in error?

6545 The Brisbane Catalogue appears to be one minute in error in the A. R.

6553 Same as 6555 with 1′ error in the Declination set down in the Brisbane Catalogue.

6608 No star here:—same as 6612.

6643 No star here: same as 6642.

6791 No star here: same as 6794.

6825 The A. R. from the Brisbane Catalogue appears to be 10 seconds in error.

6827 No star here:—same as 6826.

6830 No Star here:—same as 6829.

6848 The nearest bright star to this,—one of the 6.7 mag.—is situated 9′ 57″ to the South.

6954 No star at the place assigned by B: two stars have been observed in the neighbourhood as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 6.7 mag.	20*h*. 51*m*. 35,30*s*.	—43° 37′ 6″,45
— 4 — 6 —	51 40,69	36 49 ,02
— B. Catalogue	50 33,66	37 5 ,79

It would appear that B. has observed the A. R. one minute too small.

6975 The Brisbane Catalogue appears to be several seconds in error.

6990 The A. R in the Brisbane Catalogue appears to be one minute in error.

6993 No star here:—probably 6994 has been re-observed by B. with an error of 5° in the Declination.

6995 No star here.

7028 Nebulous:—several stars of the 8.9 magnitude, among which the two following were selected as being the brightest.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8 mag.		21*h*. 19*m*. 21,67*s*.	—57° 34′ 46″,00
— 2 — 8 —		19 26,78	— 39 2 ,04
— B. Catalogue	M. C.	—19 14,24	— 34 55 ,79
	T.	—19 17,31	

7050 No star here:—same as 7049.

7067 Further observation of the A. R. of this star does not alter the Madras result.

7076 The A. R. from the Brisbane Catalogue appears to be 30 seconds in error.

7110 This star is probably affected with a large proper motion, both in A. R. and Declination.

7132 I have observed this star as 5.6 or 6th magnitude: B. says 7th: will proper motion explain the large disagreement in the Declination?

7195 The A. R. from the Brisbane Catalogue appears to be 10 seconds in error.

7228 Further observation of the A. R. of this star confirms the Madras result. Has this star a large proper motion in A. R.?

7237 This star was inserted in the catalogue through inadvertence, as it had not been looked for.

7255 The Declination from the Brisbane catalogue appears to be 2′ in error.

7265 No star here :—same as 7267.

7308 The annual variation of this star in A. R. as set down in the Brisbane Catalogue, being erroneous, the A. R. itself is probably so too.

7314 } 7315 } The Madras Instruments failed to separate these two stars.

7347 No star here brighter than the 12th magnitude; the nearest star is situated as follows.

	A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
From 2 obs. 8.9 mag.	23*h.* 47*m.* 40,97*s.*	—48° 50′ 35″,94
Differs from B.	+ 1,27	— 10 5 ,63

7348 } 7354 } There are three stars here: B. has observed the A. R. of the first and third, opposite to which he has set the S. P. D. of the *third* and *second* respectively, the three stars are situated thus.

		A. R. Jan. 1. 1840.	Declin. Jan. 1. 1840.
7348	From 3 obs. 7 mag.	23*h.* 48*m.* 20,66*s.*	—58° 2′ 15″,32
—	— 1 — 7.8 —	49 49,91	—58 5 14 ,71
7354	— 4 — 7 —	50 11,55	—58 10 11 ,79

I suspect the relative magnitudes to be variable, but am unable to particularize either.

REMARKS UPON THE FOREGOING CATALOGUE CONTINUED.

Having now accounted for the several blanks which occur in the columns of Differences, it will not be amiss—to offer a few remarks relative to the differences themselves. Those for the A. R, it will be observed are almost all affected with the sign *minus,* exhibiting—that in addition to the incidental errors of observation, an error of a general nature exists in the Brisbane Catalogue throughout. In the appendix to the Brisbane Catalogue (Page 273) a similar conclusion had been arrived at, by comparing, the Brisbane places with those from Lieutenant Johnson's Catalogue (Observed

at the St. Helena Observatory) it will then at least be interesting to compare the values of the correction now found necessary, with those which the St. Helena Catalogue has pointed out; thus

	cor. for obs. with M. C.			cor. for obs. with T.		
Declination.	J.—B.	T.—B.	Diff.	J.—B.	T.—B.	Diff.
° °	s.	s.	s.	s.	s.	s.
from 25 to 30	+2,12	+ 1,90	—0,22	+1,52	+2,41	+0,89
30 to 35	2,03	2,18	+0,15	1,89	2,61	+0,72
35 to 40	2,16	2,15	—0,01	2,67	2,63	—0,04
40 to 45	2,12	2,07	—0,05	2,61	2,93	+0,32
45 to 50	2,20	2,29	+0,09	2,39	2,61	+0,22
50 to 55	2,26	2,20	—0,06	2,53	2,76	+0,23
55 to 60	2,10	2,35	+0,25	2,59	2,66	+0,07
above 60	2,31	2,33	+0,03	2,42	2,78	+0,36
	Mean		+0,02			+0,34

Here it appears with reference to the Brisbane Catalogue,—that as far as the transits observed with the *Mural Circle* are concerned, the Madras observations attribute to them as near as need be, the same amounts of error as do those made at St, Helena; and with regard to the observations made with the *Transit Instrument*—when compared with the Madras observations they exhibit a general error of from 3 to 4 tenths *larger* than has been assigned to them by the St. Helena Catalogue. Now the former result, from the large number of comparisons which the Catalogue affords, is entilled to a considerable degree of credit, whereas the latter (from the few observations made with the transit instrument at Paramatta) is little to be relied upon. Since writing the above with a view of examining how nearly the single results of the present Catalogue agreed with the St. Helena determinations, I have gone over the Madras Catalogue, and found the several the cases for comparison which now follow: whilst thus occupied, I have discovered that several stars have crept into the present catalogue whose places had been given in the former Volumes of this work; thus affording a comparison of the present catalogue with former observations; and a few other Stars have been met with, whose places had been observed, but had been overlooked in the construction of the catalogue: if we put T. to represent the Madras determination from observations in 1838 and 1839, and T′ the same from former observations; B. the Brisbane place, and J. that from Lieutenant Johnson's Catalogue, we get as follows.

No. in the B. cat.	Reference to former Obs.	No. obs.	A. R. Jan. 1. 1840.	T.—B. M. C	T.—B. T.	T.—J.	T.—T′.	Declination Jan. I. 1840. (South.)	T.—B.	T.—J.	T.—T′.
	No. Vol.		h. m. s.	s.	s.	s.	s.	° ′ ″	″	″	″
89	34 of III	3	0 35 0,90	—	— 3,69	—	— ,54	39 20 27,84	— 2,70	—	+ 1,3
93	38 of III	3	0 36 27,71	—	— 4,04	—	+ ,01	39 18 14,74	+ 0,48	—	+ 1,3
216	167 of II	3	1 24 35,21	— 2,97	— 2,75	—	— ,24	49 54 23,75	+ 1,25	—	+ 3,0
278	210 of II	3	1 49 43,47	— 3,22	— 3,47	+ ,37	+ ,19	52 24 26,23	+ 3,15	+ 3,5	— 0,8
287	219 of II	2	1 53 43,59	— 3,13	— 2,96	—	— ,07	62 21 0,53	+ 0,72	—	— 2,7
327	241 of II	4	2 10 47,86	— 2,65	— 2,36	—	— ,31	52 15 18,09	— 1,48	—	+ 6,0
353	256 of II	3	2 21 7,19	— 2,21	— 2,45	,00	+ ,03	48 25 24,18	+ 3,17	+ 3,2	+ 0,8
549	327 of III	3	3 19 45,10	—	— 2,96	—	— ,03	36 29 6,46	— 5,74	—	— 1,5
642	450 of II	3	3 56 13,82	— 2,98	— 1,63	+ ,09	+ ,09	61 51 12,91	+ 2,40	— 1,1	— 0,4
668	419 of III	1	4 5 27,97	— 2,33	— 3,40	—	— ,72	42 24 51,00	+ 0,15	—	+ 0,2
682	483 of II	3	4 11 50,64	— 2,74	— 3,19	+ ,18	+ ,10	51 53 32,62	+ 1,11	+ 2,3	+ 3,9
732	462 of III	1	4 27 14,21	— 0,71	—	—	— ,11	30 5 39,04	— 8,43	—	+ 2,0
744	538 of II	3	4 30 32,90	— 2,35	— 2,32	+ ,11	— ,10	55 22 40,23	— 0,37	— 4,2	+ 4,6
1007	611 of III	1	5 33 35,42	— 2,42	— 2,56	—	+ ,03	40 47 57,72	+ 4,20	—	+ 6,4
1090	654 of III	3	5 50 20,03	— 1,70	—	—	— ,05	31 24 30,65	+ 3,57	—	— 1,5
1124	—	6	5 58 8,34	— 2,83	— 3,61	—	—	58 6 18,93	+ 6,93	—	—
1131	677 of III	3	5 59 52,85	— 2,98	— 1,51	—	— ,21	45 2 22,82	+ 1,68	—	+ 3,2
1158	—	2	6 3 52,33	— 2,84	— 3,00	—	—	44 19 53,44	+ 1,98	—	—
1241	807 of II	3	6 20 24,35	— 2,59	— 2,77	— ,17	— ,45	52 36 36,47	+ 2,36	—	— 0,1
1389	856 of II	4	6 46 32,59	— 1,17	—	— ,37	— ,47	61 46 11,22	+ 8,09	+ 3,4	+ 5,4
1465	511 of IV	1	6 59 4,71	— 3,04	— 4,25	—	,00	43 23	—	—	—
1664	—	1	7 30 30,20	— 0,53	—	—	—	26 27 31,67	+ 4,58	—	—
1679	934 of III	1	7 32 15,97	—	— 2,56	—	+ ,38	26 26 29,33	+ 1,02	—	+ 1,0
1697	941 of III	3	7 34 9,56	— 1,68	—	—	— ,22	37 53 39,68	+11,29	—	+ 1,1
1735	957 of II	2	7 39 33,57	— 2,10	— 3,62	—	— ,20	37 34 56,57	+ 3,77	—	+ 1,7
1763	961 of II	2	7 42 33,95	— 2,12	— 1,83	—	+ ,16	24 27 44,32	+ 2,48	—	+ 0,8
1778	965 of II	3	7 44 21,70	—	— 2,46	— ,24	— ,30	45 58 22,42	+ 5,26	+ 0,6	+ 1,1
1812	971 of II	3	7 48 36,10	—	— 3,54	— ,06	+ ,14	47 41 15,03	+ 5,92	+ 4,6	— 1,1
1835	982 of II	4	7 52 42,60	— 2,02	— 1,99	— ,07	+ ,22	52 33 17,05	+ 6,26	+ 2,8	+ 2,4
1916	1002 of II	3	8 4 34,06	— 2,97	— 3,13	+ ,41	+ ,41	46 52 33,80	+ 0,75	+ 1,8	— 0,2
1917	1003 of II	3	8 4 36,51	— 2,30	— 2,91	+ ,29	+ ,44	46 52 5,26	— 2,35	— 0,8	— 4,4
1946	—	1	8 8 41,28	— 2,03	—	—	—	59 35 52,02	+ 3,57	—	—
2148	1067 of II	4	8 35 42,58	— 2,39	— 2,04	— ,07	— ,06	52 21 19,94	+ 5,23	+ 0,2	+ 2,7
2163	1071 of II	3	8 37 4,60	—	— 1,35	— ,24	— ,08	59 11 28,48	+ 5,53	+ 1,8	— 2,3
2293	1101 of II	3	8 53 3,50	— 2,31	— 3,24	+ ,08	— ,11	58 36 45,13	+ 7,72	+ 1,8	+ 1,6
2311	1102 of II	3	8 55 28,59	— 1,94	— 2,47	— ,17	— ,09	58 28 20,67	+ 8,60	+ 3,2	+ 2,3
2326	1105 of II	3	8 58 38,82	— 3,12	— 1,71	+ ,16	+ ,30	46 27 46,02	+ 5,09	+ 3,3	+ 2,3
2352	1115 of II	1	9 3 10,01	— 2,94	— 1,45	—	— ,06	29 42 56,85	+ 1,74	—	+ 1,4
2394	1124 of II	3	9 7 38,53	— 2,79	— 2,93	— ,26	— ,37	61 39 39,21	+ 5,13	+ 4,3	+ 0,5
2400	1120 of III	2	9 8 26,82	—	— 1,58	—	— ,04	42 33 58,77	+ 3,98	—	+ 2,3
2429	1137 of II	3	9 12 48,53	— 2,50	— 4,09	,00	— ,15	58 36 17,51	+ 5,44	+ 2,5	+ 1,9
2521	1156 of III	2	9 24 41,96	— 2,94	— 2,71	—	— ,21	31 10 8,98	+ 1,62	—	+ 0,6
2535	1160 of II	4	9 26 21,63	— 2,19	— 2,58	— ,39	— ,30	56 19 47,75	+ 2,29	+ 2,8	+ 2,9
2546	—	3	9 28 1,07	— 2,91	— 3,64	—	—	48 17 44,00	+ 7,23	—	—
2547	—	3	9 28 5,82	— 4,42	— 3,34	—	—	49 0 55,39	+ 6,33	—	—
2565	1167 of II	3	9 29 48,26	— 1,52	— 1,97	— ,09	— ,26	58 31 1,00	+ 4,93	+ 2,0	+ 2,2
2587	—	2	9 32 37,60	— 5,28	—	—	—	38 48 24,66	— 2,56	—	—
2638	—	2	9 38 22,01	— 2,54	—	—	—	50 38 6,40	+ 4,01	—	—
2652	—	1	9 39 31,80	+ 15,	—	—	—	30 32 23,16	— 3,42	—	—
2752	1196 of II	3	9 51 15,26	— 2,41	— 2,79	— ,06	— ,13	53 48 25,09	+ 5,24	+ 3,4	+ 1,7

No. in the B. cat.	Reference to former Obs.	No. obs.	A. R. Jan. 1. 1840.	T.—B. M. C.	T.—B. T.	T.—J.	T.—T.	Declination Jan. 1. 1840. (South.)	T.—B.	T.—J.	T.—T'.
	No. Vol.		h. m. s.	s.	s.	s.	s.	° ′ ″	″	″	″
2802	——	2	9 56 34,64	— 0,95	——	——	——	59 20 32,44	+ 5,38	——	——
2882	——	2	10 5 50,40	— 2,08	——	——	——	57 15 23,34	+ 1,80	——	——
2971	——	3	10 14 56,47	— 2,23	——	——	——	58 49 50,67	+ 4,12	——	——
2972	1234 of II	1	10 14 58,57	— 2,19	— 3,05	——	— ,16	55 14 27,24	— 6,02	——	— 2,6
2981	——	3	10 16 34,50	— 1,99	— 2,14	——	——	28 50 24,21	+ 7,18	——	——
2998	——	1	10 18 14,36	— 3,36	——	——	——	60 45 37,93	+ 2,85	——	——
3032	1251 of II	3	10 22 14,05	— 1,35	— 0,38	——	— ,04	29 47 26,40	— 0,04	——	— 1,0
3095	727 of IV	3	10 29 12,08	— 1,11	——	——	+ ,42	36 49 42,58	+ 2,97	——	+ 1,0
3099	——	3	10 29 27,60	— 2,33	— 1,52	——	——	56 43 48,69	+ 0,83	——	——
3201	1293 of III	3	10 39 30,99	——	— 2,33	——	— ,33	52 20 55,52	+ 1,51	——	— 1,9
3244	——	1	10 44 8,65	— 2,54	——	——	——	59 8 8,56	+ 0,41	——	——
3390	——	3	10 58 59,29	— 2,28	——	——	——	50 20 55,44	— 9,68	——	——
3447	——	3	11 4 50,81	— 3,09	——	——	——	59 34 29,91	+ 0,07	——	——
3448	——	2	11 4 51,75	— 2,08	——	——	——	59 26 28,87	— 5,29	——	——
3595	1382 of III	1	11 20 53,80	— 2,03	— 2,44	——	+ ,08	41 47 36,19	+ 1,29		+ 1,0
3633	——	3	11 24 26,69	— 1,22	— 2,70	——	——	48 37 55,71	+ 4,54	——	——
3705	1411 of III	3	11 32 17,01	— 1,16	— 2,82	——	— ,62	43 51 26,23	+ 5,44	——	— 0,6
3750	1423 of III	3	11 37 50,42	——	— 3,17	——	+ ,13	44 48 7,30	— 0,39	——	— 0,4
3832	1381 of II	3	11 47 32,81	— 3,44	——	——	+ ,06	27 35 5,70	— 1,35	——	— 3,3
3931	——	1	11 59 53,38	— 3,59	——	——	——	59 33 35,38	—13,13	——	——
3934	1395 of II	3	12 0 5,78	— 2,82	— 2,36	— ,07	— ,09	49 49 52,84	— 1,69	— 1,6	+ 1,8
3938	1469 of III	2	12 0 38,82	— 2,92	——	——	— ,15	43 25 56,22	+ 2,23	——	— 1,0
3959	——	1	12 4 17,70	— 1,99	——	——	——	59 8 55,88	+ 2,27	——	——
4237	1485 of II	3	12 45 14,95	— 2,60	— 3,61	——	+ ,10	56 18 24,71	+ 0,43	+ 0,9	— 0,6
4275	——	3	12 50 51,63	— 1,85	——	+ ,72	——	59 30 39,60	— 4,96	——	——
4285	1597 of III	2	12 51 48,43	+ 0,42	——	——	— ,05	32 38 11,62	— 0,68	——	+ 0,2
4671	1709 of III	2	13 44 13,05	— 1,73	— 1,94	——	— ,15	34 52 19,15	— 6,59	——	— 0,2
4733	——	2	13 52 34,83	— 0,92	— 1,45	——	——	59 35 49,86	— 0,83	——	— 1,5
4848	1622 of II	1	14 9 12,19	— 3,13	— 3,53	——	— ,48	45 19 0,35	— 3,35	——	— 1,5
4880	——	1	14 12 54,17	— 1,54	——	——	——	46 40 56,07	+ 4,39	——	——
4902	1634 of II	1	14 15 54,00	— 2,49	— 3,08	——	+ ,07	44 29 34,82	+ 0,49	——	+ 0,8
4903	1635 of II	1	14 15 55,35	— 3,49	— 3,59	——	+ ,33	44 39 6,13	+ 0,27	——	+ 3,2
4945	1642 of II	2	14 21 52,74	— 2,28	— 1,85	— ,08	— ,29	49 44 36,01	+ 0,10	— 0,6	— 0,6
4964	952 of IV	2	14 24 44,14	— 2,02	——	——	+ ,29	45 45 16,14	+ 1,63	——	— 0,4
4971	1814 of III	1	14 25 52,78	— 2,20	——	——	+ ,29	45 32 31,89	+ 1,56	——	— 1,4
4974	1815 of III	1	14 26 53,65	— 2,67	— 3,54	——	— ,56	45 25 52,92	+ 1,14	——	— 0,1
5007	1657 of II	3	14 31 19,39	— 2,76	——	— ,18	+ ,17	46 41 45,32	+ 2,53	+ 1,8	+ 0,5
5018	——	1	14 32 37,29	— 2,36	——	——	——	32 4 28,80	+ 2,78	——	——
5068	——	2	14 39 32,62	— 1,98	——	——	——	52 41 55,21	+ 5,50	——	——
5069	——	3	14 39 52,78	— 2,43	——	——	——	41 10 33,41	+ 2,40	——	——
5223	——	3	15 3 17,28	— 0,88	——	——	——	42 44 57,13	+ 3,08	——	——
5239	——	1	15 5 22,52	— 2,12	——	——	——	59 29 50,86	— 0,77	——	——
5243	1899 of III	1	15 5 34,45	— 1,57	——	——	— ,27	40 53 30,00	— 2,98	——	— 4,2
5311	——	2	15 15 0,82	— 5,55	——	——	——	65 19 21,45	— 0,16	——	——
5330	——	2	15 16 58,44	— 3,38	——	——	——	65 23 0,57	— 0,78	——	——
5380	1760 of II	2	15 24 30,30	— 1,38	— 1,85	——	+ ,09	40 376 23,33	— 1,86	——	— 1,0
5428	——	2	15 31 49,05	— 2,54	——	——	——	51 50 38,16	— 0,89	——	——
5521	1806 of II	2	15 44 0.59	——	— 3,35	——	+ ,64	24 21 39,60	— 3,11	——	— 0,1
5591	1835 of II	2	15 56 6,41	— 2,08	— 3,37	+ ,14	,00	36 18 37,51	— 0,85	— 1,1	— 0,8
5598	1987 of III	2	15 56 46,33	— 0,28	——	——	— ,32	36 18 52,97	— 0,72	——	— 2,2

No. in the B. cat.	Reference to former Obs.	No. obs.	A. R. Jan. 1. 1840.	T.—B. M. C.	T.—B. T.	T.—J.	T.—T'.	Declination Jan. 1. 1840 (*South.*)	T.—B.	T.—J.	T.—T.'
	No. Vol.		h. m. s.	s.	s.	s.	s.	° ′ ″	″	″	″
5614	1994 of III	1	15 59 38,09	— 2,91	—	—	+ ,14	33 6 51,81	— 1,84	—	— 2,7
5652	—	1	16 4 59,41	— 3,00	—	—	—	52 40 32,32	+ 0,90	—	—
5667	—	1	16 6 47,08	— 3,02	—	—	—	59 0 38,86	+ 4,89	—	—
5670	—	1	16 7 10,08	— 2,52	—	—	—	59 0 16,46	+ 3,09	—	—
5731	—	2	16 16 42,70	— 2,18	—	—	—	45 57 6,21	— 1,40	—	—
5747	1889 of II	1	16 20 56,03	— 1,43	— 2,59	+ ,61	+ ,51	34 20 57,01	— 1,65	+ 0,4	— 0,3
5766	—	1	16 25 42,93	— 2,00	—	—	—				0,0
5767	2042 of III	1	16 25 51,32	— 3,31	— 1,44	— ,22	— ,18	34 55 11,03	— 6,47	— 3,3	+ 2,3
5828	1910 of II	2	16 36 0,27	— 2,36	— 2,51	+ ,16	— ,11	58 44 40,11	+ 3,75	+ 5,3	— 0,4
5861	2089 of III	1	16 41 6,83	— 2,09	—	—	+ ,07	41 34 25,69	+ 3,42	—	— 1,9
5865	1087 of IV	1	16 41 34,99	— 3,87	—	—	+ ,41	41 30 24,85	+ 1,32	—	—
5869	—	1	16 42 13,35	—	— 2,18	—	—	59 53 23,89	—	—	— 3,1
5913	1100 of IV	2	16 48 3,49	— 0,82	—	—	+ ,25	37 21 49,81	— 3,87	—	+ 0,4
5975	2135 of III	2	16 59 7,51	— 1,94	—	—	— ,68	44 20 34,08	+ 1,01	—	—
6012	—	1	17 5 53,27	— 5,84	—	—	—	44 35 27,73	+ 1,16	—	—
6177	—	1	17 32 51,99	— 3,03	—	—	—	45 57 34,76	+ 5,17	—	— 1,3
6228	2229 of III	1	17 41 33,95	— 1,57	— 3,43	—	—	34 44 54,94	— 4,24	—	— 1,2
6238	2234 of III, p. cii of IV	2	17 42 43,28	— 1,97	— 3,51	—	— ,20	34 50 59,40	— 8,30	—	—
6268	—	1	17 48 23,16	+ 2,45	—	—	—	36 0 28,54	— 2,69	—	+ 5,4
6360	2101 of II	1	18 6 48,09	— 2,08	— 2,07	+ ,21	+ ,16	36 48 7,06	— 6,68	—	— 1,8
6382	2296 of III	1	18 12 2,76	— 3,42	—	—	+ ,37	36 44 12,11	+ 0,23	—	—
6396	—	2	18 14 17,26	— 3,34	—	—	—	53 42 42,42	+ 3,29	—	— 3,4
6542	2367 of III	2	18 47 55,76	— 2,62	— 2,19	—	— ,03	37 18 32,76	— 2,96	—	—
6550	—	1	18 49 37,96	— 2,41	—	—	—	58 8 16,07	+ 2,35	—	— 1,0
6585	2216 of II	3	18 58 34,93	— 2,09	— 3,35	+ ,09	— ,11	38 8 42,75	— 0,01	+ 1,8	—
6612	—	3	19 5 26,16	— 2,03	—	—	—	56 25 9,96	— 0,07	—	—
6634	—	2	19 10 26,04	— 3,03	—	—	—	56 13 33,39	— 3,74	—	+ 0,5
6914	2598 of III	1	20 37 37,27	— 3,41	— 5,16	—	— ,51	44 33 55,79	— 0,97	—	—
6985	—	3	21 2 3,61	— 1,49	—	—	—	60 21 43,67	— 1,29	—	—
6987	2654 of III	1	21 2 47,48	— 1,58	— 2,37	—	— ,14	40 4 22,00	— 8,11	—	— 0,2
7171	2808 of III	3	22 19 15,60	— 2,34	+ 3,39	—	— ,29	39 56 22,74	— 9,13	—	— 0,2
7203	2717 of II	3	22 35 46,57	— 2,38	— 2,12	+ ,30	+ ,38	54 20 21,97	— 1,50	— 0,4	+ 0,8
7252	2765 of II	3	23 1 16,37	— 1,16	— 2,83	— ,24	— ,26	46 6 40,73	+ 2,72	+ 1,3	— 0,6
7267	2774 of II	6	23 8 3,19	— 0,75	— 2,30	+ ,15	+ ,06	59 6 38,57	+ 8,95	+ 3,3	+ 3,6
7274	2779 of II	3	23 10 10,45	— 1,18	3,01	+ ,15	— ,04	33 24 5,48	+ 3,78	+ 6,3	+ 0,8
7281	—	3	23 14 49,48	—	— 2,06	—	—	54 41 6,09	+ 0,30	—	—
7300	2938 of III	3	23 24 22,74	— 0,97	— 2,40	+ ,22	+ ,34	38 42 4,32	+ 3,65	+ 3,3	+ 1,0
7304	2813 of II	2	23 26 27,23	— 2,04	— 2,98	— ,28	— ,49	43 29 52,99	+ 4,62	+ 1,4	— 1,0
7315	2821 of II	3	23 30 51,23	—	— 2,92	+ ,11	— ,02	47 31 28,49	+ 3,28	+ 0,8	+ 2,7
7330	2844 of II	3	23 40 35,28	—	— 3,66	+ ,28	+ ,21	29 0 49,79	+ 3,68	+ 3,4	— 0,4

In examining these differences as well as those in the catalogue, it must be kept in mind that they are each affected by the amount of fifteen times the annual proper motion which may attach to the star under consideration; for the A. R., the effect of this circumstance is lost sight of—in the larger

amounts of error of the Brisbane Catalogue, but with those for Declination,—it is probable that a great many of the large differences which are met with, may thus be explained: as the differences now stand, about one half of the whole number are less than three seconds, and about five sixths of the whole are below six seconds, or more correctly thus.

Difference below	3″ ——	1632
Between	3 and 6″	1024
Above	6	535
Large Differences	——	46
Not observed by B.	——	218
	Total	3455

ERROR OF DIVISION OF THE MADRAS MURAL CIRCLE.

In the earlier volumes of the Madras Observations, I have stated with regard to the Mural Circle—that the error of division of every fifth degree had been examined, when the largest error did not exceed two seconds. The method by which this examination had been conducted, was contrived for this express purpose and put in force in the year 1831, and the result of the examination of every 5°, was printed in the Journal of the Asiatic Society of Calcutta in the following year.* In the Autumn of 1838, I availed myself of the assistance of Mr. Caldecott (the Astronomer at the Trivandrum Observatory,) to repeat these examinations, when the results although not near so satisfactory as the method itself under better arrangements† is capable of,—still, will I hope be considered not altogether undeserving of credit.

The examination was conducted as follows. The telescope was unclamped from the circle, whereby, turning on its own axis (which passes through the axis of the circle,) it could be pointed to any required position. The telescope was directed to the horizon, and the 5 feet telescope placed as a

* The paper was transmitted by me in the first instance to the Royal Society, but I have reason to believe that it never reached its destination.

† The long and now rickety wooden legs of the 5 foot telescope, do not permit us to expect that perfect immoveability which the successful prosecution of the plan requires, added to which a twelve inch telescope with an aperture of ¾ of an inch when used as a collimator—was not calculated to afford a sufficiently well defined mark for bisection.

collimator in front of it, whereby a pair of cross wires which had been fitted into the focus, were distinctly defined by the Mural Circle Telescope. The telescope was now turned through 90° nearly, to the zenith, when a twelve-inch telescope was placed above—in front of it, so that a pair of cross wires which had been fitted into *its* focus, were similarly well defined by the Mural Circle Telescope. The circle was turned to 0° 0′ 0″ for microscope A, and B was read off. The circle telescope was now brought to the horizon to view the cross wires of the 5 feet telescope, when it was clamped to the circle, and an accurate intersection of the horizontal moveable wire with the cross wires effected. This done—the circle was unclamped, and with its attached telescope moved through 90° to view the zenith collimator, when the intersection of the cross wires with the before used moveable wire being made, the reading of the circle—compared with the former reading, gave *once* the exact angle between the two collimators. The circle remaining clamped, the telescope was released, and again brought to intersect the cross wires of the horizontal collimator, where it was clamped, and then with the attached circle moved again to the zenith collimator: here the reading was necessarily 180° nearly, or *twice* the angle subtended by the two collimators, and proceeding in this way the divisions 0° and 180° were again arrived at, when four times this angle independent of error of division was necessarily obtained, and hence the true angle itself. If we now compare the true angle with that read off at the 90° we immediately obtain the error of division of the diameter* 90°—270° as compared with 0°—180°; and if we successively double and treble the value found for the true angle, and compare these products with the readings of the circle at 180° and 270°, we similarly determine the errors of the diameters 180°—0° and 270°—90°. Thus

* By reason of the facility with which an instrument necessarily turns upon its axis, the centre of the axis is in no case fixed with respect to the microscopes; hence it follows with regard to any two opposite microscopes,—that the one will be read off in excess of the truth, whilst the other will be in defect to the same amount; and since this quantity is for ever varying, it becomes a matter next to impossible to free the readings at a single microscope from its effects, and thence determine the error of the division at which the reading may have been made; it happens fortunately however, that the error of a single division, is not that for which we are in search; what really is required, is, the error attaching to the several divisions we employ; thus, as a simple case; if the two horizontal microscopes alone be employed, we require to know the angle which a diameter from 0° to 180° makes with the diameter formed by the other two divisions we may employ. Does the diameter 90°—270° for instance make an angle of 90° with the diameter 0°—180°? and does the diameter 0° 5′—180° 5′ make an angle of 5′ with the same? Any deviation from such conditions, must arise from error of division, and it is in search of this that we are now engaged.

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	Tr. ang. × 1,2, &c.	Diff. or error div.
17th September 1838 at 4 P. M.					
° ′ ″	″	″		″	″
0 0 0,0	31,2	15,60		15,60	
90 0 0,6	34,2	17,40	″	19,70	— 2,30
180 0 6,2	40,2	23,20	′	23,80	— 0,60
270 0 10,2	42,4	26,30	° 90 0 4,10	27,90	— 1,60
360 0 17,4	46,6	32,00		32,00	
0 0 17,4	46,6	32,00		32,00	
90 0 21,4	53,0	37,20	″	36,14	+ 1,06
180 0 27,6	57,2	42,40	′	40,28	+ 2.12
270 0 27,3	59,6	43,45	° 90 0 4,14	44,42	— 0,97
360 0 33,1	4,0	48,55		48,55	
September 18th at 7 A. M.					
0 0 0,0	33,1	16,55		16,55	
90 0 3,3	39,1	21,20	″	20,31	+ 0,89
180 0 6,0	43,6	24,80	′	24,07	+ 0,73
270 0 9,3	45,0	27,15	° 90 0 3,76	27,83	— 0,68
360 0 14,8	48,4	31,60		31,60	
0 0 0,0	33,5	16,75		16,75	
90 0 2,5	39,1	20,80	″	21,31	— 0,51
180 0 6,4	43,0	24,70	′	25,87	— 1,17
270 0 11,3	46,5	28,90	° 90 0 4,56	30,43	— 1,53
360 0 18,0	52,0	35,00		35,00	
0 0 0,0	33,9	16,95		16,95	
90 0 2,8	38,1	20,45	″	20,89	— 0,44
180 0 5,3	41,0	23,15	′	24,83	— 1,68
270 0 10,4	45,0	27,70	° 90 0 3,94	28,77	— 1,07
360 0 16,3	49,1	32,70		32,70	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	Tr. ang. × 1,2, &	Diff. or error div.
° ′ ″	″	″		″	″
0 0 0,0	34,6	17,30		17,30	
90 0 0,8	36,0	18,40	″	21,44	— 3,04
180 0 6,5	41,8	24,15	′	25,58	— 1,43
270 0 10,9	46,4	28,65	° 90 0 4,14	29,72	— 1,07
360 0 17,7	50,0	33,85		33,85	
0 0 0,0	33,3	16,65		16,65	
90 0 2,1	37,2	19,65	″	21,40	— 1,75
180 0 7,9	44,0	25,95	′	26,15	— 0,20
270 0 14,3	47,7	31,00	° 90 0 4,75	30,90	+ 0,10
360 0 18,9	52,4	35,65		35,65	
* 0 0 0,0	34,0	17,00		17,00	
90 0 55,6	31,1	13,35	″	12,76	+ 0,59
180 0 50 5	28,0	9,25	′	8,52	+ 0,73
270 0 45,9	22,1	4,00	° 89 59 55,76	4,28	— 0,28
360 0 42,1	18,0	0,05		0,05	
0 0 0,0	34,0	17,00		17,00	
90 0 53,9	30,2	12,05	″	11,84	+ 0,21
180 0 49,1	27,9	8,50	′	6,68	+ 1,82
270 0 43,6	20,2	1,90	° 89 59 54,84	1,52	+ 0,38
360 0 38,0	14,7	56,35		56,35	
0 0 0,0	36,5	18,25		18,25	
90 0 54,0	32,1	13,05	″	12,14	+ 0,91
180 0 48.0	26,5	7,25	′	6,03	+ 1,22
270 0 40,3	19,1	59,70	° 89 59 53,89	59,92	— 0,22
360 0 36,3	11,3	53,80		53,80	

* I altered the position of the reflector of the horizontal telescope, which appears to have disturbed the angle.

If we now collect these several result and take the mean, we get as follows.

Error of the diameter joining the division 90° & 270°

° ° 0 & 180	° ° 90 & 270	° ° 180 & 0	° ° 270 & 90
″	″	″	″
0,0	— 2,30	— 0,60	— 1,60
0,0	+ 1,06	+ 2,12	— 0,97
0,0	+ 0,89	+ 0,73	— 0,68
0.0	— 0,51	— 1,17	— 1,53
0,0	— 0,44	— 1,68	— 1,07
0,0	— 3.04	— 1,43	— 1,07
0,0	— 1,75	— 0,20	+ 0,10
0,0	+ 0,59	+ 0,73	— 0,28
0,0	+ 0,21	+ 1,82	+ 0,38
0,0	+ 0,91	+ 1,22	— 0,22
Mean of 10=0,0	— 0,438	+ 0,154	— 0,694

Here it would appear that the diameter 0°—180° makes an angle of 180° 0′, 0″,154 with the diameter 180°—0°, or with itself in fact!—or rather, this 0″,154 must be looked upon as error of observation, since the angle in question must be exactly 180°. With regard to the diameter 90°—270° or 270°—90° we have two measures, or we have already found as follows.

Diameters.	0°—180°	0″,000	Error of division.
	90 —270	— 0 ,566	

I now placed a 46 inch achromatic telescope immediately above the horizontal collimator, so as to make an angle of 30° with it, and act as a collimator to the circle telescope, when the following repetitions of the measure of the angle subtended by them were made.

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1.2, &c.	Diff. or error div.
18th September, 1838.					
° ′ ″	″	″		″	
0 0 0,0	34,3	17,15		17,15	
29 59 56,9	31,1	14,00		14,17	— 0,17
59 59 51,9	28,4	10,15	″	11,19	— 1,04
89 59 48,7	26,4	7,55	′	8,20	— 0,65
119 59 47,4	23,4	5,40	° 29 59 57,02	5,22	+ 0,18
149 59 44,1	18,8	1,45		2,24	— 0,79
179 59 39,3	19,2	59,25		59,25	
209 59 33,7	12,3	53,00		55,32	— 2,32
239 59 29,0	7,1	48,05	″	51,40	— 3,05
269 59 27,8	5,6	46,70	′	47,47	— 0.77
299 59 23,2	0,2	41,70	° 29 59 56,07	43,55	— 1,85
329 59 17,7	58,4	38,05		39,62	— 1,57
359 59 16,4	55,0	35,70		35,70	
0 0 0,0	36,5	18,25		18,25	
29 59 56,6	32,6	14,60		16,58	— 1,98
69 59 52,8	30,0	11,40	″	14,91	— 3,51
89 59 50,8	28,1	9,45	′	13,25	— 3,80
119 59 50,2	25,2	7,70	° 29 59 58,33	11,58	— 3,88
149 59 48,7	24,5	6,60		9,91	— 3,31
179 59 49,4	27,1	8,25		8.25	
209 59 45,8	26,5	6,15		6,98	— 0,83
239 59 45,0	22,3	3,65	″	5,71	— 2.06
269 59 44,5	21,4	2,95		4,45	— 1,50
299 53 43,4	20,0	1,70	′	3,18	— 1,48
229 59 41,6	17,6	59,45	° 29 59 58,73	1,91	— 2,46
359 59 42,6	18,7	0,65		0,65	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1.2, &c.	Diff. or error div.
° ′ ″	″	″		″	
0 0 0,0	34,4	17,20		17,20	
29 59 57,9	33,2	15,55		15,56	— 0,01
59 59 51,6	31,2	11,40	″	13,92	— 2,52
89 59 49,9	29,1	9,50	′	12,28	— 2,78
119 59 51,9	26,7	9,30	° 29 59 58,36	10,64	— 1,34
149 59 49,4	23,6	6,50		8,99	— 2,49
179 59 48,2	26,5	7,35		7,35	
209 59 46,0	26,1	6,05		6,11	— 0,06
239 59 44,3	24,3	4,30	″	4,87	— 0,57
269 59 45,9	22,5	4,20	′	3,63	+ 0,57
299 59 42,1	21,1	1,60	° 29 59 58,76	2,39	— 0,79
329 59 42,0	18,5	0,25		1.14	— 0,89
359 59 42,8	17,0	59,90		59,90	
0 0 0,0	35,5	17,75		17,75	
29 59 58,3	33,0	15,65		16,67	— 1,02
59 59 55,9	34,1	15,00	″	15,60	— 0,60
89 59 55,2	34,0	14,60	′	14,52	+ 0,08
119 59 54,8	31,7	13,25	° 29 59 58,92	13,45	— 0,20
149 59 52,7	27,0	9,85		12,37	— 2,52
179 59 52,6	30,0	11,30		11,30	
209 59 49,6	28,2	8,90		9,62	— 0,72
239 59 47,8	24,6	6,20	″	7,93	— 1,73
269 59 46,5	22,4	4,45	′	6,25	— 1,80
299 59 45,1	21,0	3,05	° 29 59 58,32	4,52	— 1,57
329 59 43,7	19,5	1,60		2,88	— 1,28
359 59 44,0	18,4	1,20		1,20	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1. 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
0 0 0,0	38,4	19,20		19,20	
29 59 59,4	35,4	17,40		17,02	+ 0,38
59 59 54,6	32,4	13,50	″	14.85	— 1,35
89 59 52,8	32,9	12,85	′	12,67	+ 0,18
119 59 50,2	27,4	8,80	° 29 59 57,82	10,50	— 1,70
149 59 47,4	23,9	5,65		8,32	— 2,67
179 59 45,9	26,4	6,15		6,15	
209 59 42,1	25,3	3,70		4,21	— 0,51
239 59 41,1	21,8	1,45	″	2,27	— 0,82
269 59 38,8	18,9	58,85	′	0,33	— 1,48
299 59 37,4	17,0	57,20	° 29 59 58,06	58,39	— 1,19
329 59 34,6	13,2	53,90		56,44	— 2,54
359 59 35,5	13.5	54,50		54,50	
19th September at 10 A. M.					
0 0 0,0	39,4	19,70		19,70	
30 0 0,8	36,9	18,85		19,82	— 0,97
59 59 58,2	35,4	16,80	″	19,94	— 3,14
90 0 1,3	38,4	19,85	′	20,06	— 0,21
120 9 0,9	37,4	19,15	° 30 0 0,12	20,17	— 1,02
149 59 59,9	37,2	18,55		20,28	— 1,73
180 0 0,9	39,9	20,40		20,40	
210 0 1,1	41,1	21,10		20,08	+ 1,02
239 59 59,3	38,7	19,00	″	19,76	— 0,76
269 59 59,7	38,1	18,90	′	19,45	— 0,55
299 59 57,9	37,3	17,60	° 29 59 59,68	19,13	— 1,53
329 59 57,3	36,1	16,70		18,81	— 2,11
359 59 59,7	37,3	18,50		18,50	
0 0 0,0	37,6	18,80		18,80	
30 0 1,9	37,4	19,65	″	19,03	+ 0,62
59 59 59,3	37,0	18,15		19,26	— 1,11
89 59 59,9	38,7	19,30	′	19,50	— 0,20
120 0 0,6	38,0	19.30	° 30 0 0,23	19,73	— 0,43
150 0 0,0	36,6	18,30		19,96	— 1,66
180 0 0,4	40,0	20,20		20,20	
209 59 59,0	39,8	19,40		20,52	— 1,12
230 59 57,7	37,9	17,80	″	20,85	— 3,05
270 0 0,8	39,5	20,15	′	21,17	— 1,02
300 0 0,9	41,1	21,00	° 30 0 0,32	21,50	— 0,50
330 0 0,8	39,7	20,25		21,82	— 1,57
360 0 4,1	40,2	22,15		22,15	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang. × 1. 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
0 0 0,0	37,7	18,85		18,85	
29 59 58,8	36,4	17,60		18,92	— 1,32
59 59 57,1	35,1	16,10	″	19,00	— 2,90
89 59 57,1	36,0	16,55	′	19,07	— 2,52
119 59 57,0	36,4	16,70	° 30 0 0,07	19,15	— 2,45
149 59 57,7	35,8	16,75		19,22	— 2,47
179 59 58,8	39,8	19,30		19,30	
209 59 56,4	38,4	17,40		19.09	— 1,69
239 59 55,9	36,5	16,20	″	18,88	— 2,68
269 59 57,8	36,8	17,30	′	18,67	— 1,37
299 59 55,9	36,4	16,15	° 29 59 59·79	18,47	— 2,32
329 59 54,7	36,2	15,45		18,26	— 2,81
359 59 59,1	37,0	18,05		18,05	
0 0 0,0	37,9	18,95		18,95	
29 59 58,8	35,5	17,15		17,36	— 0,21
59 59 53,9	34,2	14,05	″	15,77	— 1,72
89 59 52,9	33,9	13,40	′	14,17	— 0,77
119 59 50,3	29.8	10,05	° 29 59 58,41	12,58	— 2,53
149 59 49,8	27,8	8,80		10,99	— 2,19
179 59 48,7	30,1	9,40		9,40	
209 59 43,9	27,6	5,75		7,07	— 1,32
239 59 41,7	22,0	1,85	″	4,74	— 2,89
269 59 41,7	21,4	1,55	′	2,41	— 0,86
299 59 39,3	20,0	59,65	° 29 59 57,67	0,07	— 0,42
329 59 35,7	17,4	56,55		57,74	— 1,19
359 59 35,8	15,0	55,40		55,40	
0 0 0,0	39,4	19,70		19.70	
29 59 58,4	35,4	16,90		16,96	— 0,06
59 59 52,9	31,3	12,10	″	14,22	— 2,12
89 59 49,7	28,6	9,15	′	11,48	— 2,33
119 59 47,4	25,7	6,55	° 29 59 57,26	8,73	— 2,18
149 59 45,3	23,0	4,15		5,99	— 1,84
179 59 42,9	23,6	3,25		3,25	
209 59 39,3	21,7	0,50		0,89	— 0,39
239 59 38,2	17,7	57,95	″	58.53	— 0,58
269 59 36,7	16,1	56,40	′	56,17	+ 0,23
299 59 32,9	12,3	52,60	° 29 59 57,64	53,82	— 1,22
329 59 29,7	9,8	49,75		51,46	— 1,71
359 59 30,3	7,9	49,10		49,10	

The above observations as well as those which follow, unless otherwise stated—were made by Mr. Caldecott at microscope A, and myself at microscope B: the bisections with the telescope were mostly made by myself. Arranging these under their respective divisions and taking the means we get—

Error of the diameter joining the divisions 30°—210°; 60°—240° *&c.*

30 & 210	60 & 240	90 & 270	120 & 300	150 & 330	210 & 30	240 & 60	270 & 90	300 & 120	330 & 150
″	″	″	″	″	″	″	″	″	″
— 0,17	— 1,04	— 0,65	+ 0,18	— 0,79	— 2,32	— 3,05	— 0,77	— 1,85	— 1,57
1,98	3,51	3,80	— 3,88	3,31	0,83	2,06	1,50	1,48	2,46
0,01	2,52	2,78	1,34	2,49	0,06	0,57	+ 0,57	0,79	0,89
1,02	0,60	+ 0,08	0,20	2,52	0,72	1,73	— 1,80	1,57	1,28
+ 0,38	1,35	+ 0,18	1,70	2,67	0,51	0,82	1,48	1,19	2,54
— 0,97	3,14	— 0,21	1,02	1,73	+ 1,02	0,76	0,55	1,53	2,11
+ 0,62	1,11	0,20	0,43	1,66	— 1,12	3,05	1,02	0,50	1,57
— 1,32	2,90	2,52	2,45	2,47	1,69	2,68	1,37	2,32	2,81
0,21	1,72	0,77	2,53	2,19	1,32	2,89	0,86	0,42	1,19
0,06	2,12	2,33	2,18	1,84	0,39	0,58	+ 0,23	1,22	1,71
Mean — 0,474	— 2,001	—1,300	—1,555	—2,167	—0,794	—1,819	—0,855	—1,287	—1,813

Here we observe as before, that the angles 30° & 210° and 210° & 30° &c. being measured upon the same divisions, we may take the means, thus.

Error of the division, 30°, 60° *&c. &c.*

	30° & 210°	60° & 240°	90° & 270°	120° & 300°	150° & 330°	
Mean of 10	—0,″474	—2,″001	—1,″300	—1,″555	—2,″167	0,30° &c. at Micros. A.
—— 10	—0, 794	—1, 819	—0, 855	—1, 287	—1, 813	0,30 &c. ——— B.
Mean of both	—0, 634	—1, 910	—1, 078	—1, 421	—1, 990	
Result at page clxxix			* —0, 566			
Mean ———			—0, 822			

I now lowered the upper telescope, so as—still remaining a collimator to the circle telescope, it might subtend an angle of 5° nearly with the lower or horizontal collimator, when the following measures of the angle subtended by them were made.

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1. 2, &c.	Diff. or error div.
September 26 at 7 A.M. by J. C. & T. G. T.					
° ′ ″	″	″		″	″
0 0 0,0	40,4	20,20		20.20	
5 0 1,2	42,4	21,80	5° 0′ 2,92″	23.13	— 1,33
10 0 3,9	43,3	23,60		26.05	2,45
15 0 8,3	47,0	27,65		28.97	1,32
20 0 9,5	52,4	30,95		31.89	0,94
25 0 13,7	56,4	35,05		34.81	+ 0,24
30 0 17,8	56,4	37 10		37,73	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1. 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
0 0 0,0	40,8	20,40		20,40	
5 0 2,9	41,1	22,00	5° 0′ 3,55″	23,95	— 1,95
10 0 6,3	46,7	26,50		27,49	0,99
15 0 10,7	52,1	31,40		31,04	+ 0,36
20 0 15,3	56 7	36,00		34 59	1,41
25 0 17,9	1,0	39,45		38,13	1,32
30 0 22,2	59,9	41,05		41,68	

* This result from the Zenith collimator might have been dispensed with, but I have prefered giving it, in order to show the extent to which single result may be trusted.

Measures of the angle subtended by the collimators. A.	B.	Mean	True angle	Tr. ang. × 1, 2, &c.	Diff or error div.
° ′ ″	″	″		″	
0 0 0,0	40,4	20,20		20,20	
5 0 4,7	42,8	23,75		24,90	— 1,15
10 0 8,2	47,0	27,60	″	29,59	1,99
15 0 12,3	53,0	32,65	′ 5 0 4,70	34,29	1,64
20 0 16,3	56,8	36,55		38,99	2,44
25 0 24,2	2,5	43,35	°	43,68	0,33
30 0 29,3	6,2	47,75		48,38	
0 0 0,0	40,8	20,40		20,40	
5 0 5,8	44,7	25,25		25,11	+ 0,14
10 0 10,3	48,6	29,45	″	29,81	— 0,36
15 0 14,3	53,6	33,95	′ 5 0 4,71	34,52	0,57
20 0 18,7	58,1	38,40		39,22	0,82
25 0 23,8	2,2	43,00	°	43,93	0,93
30 0 28,7	7,3	48,00		48,63	
0 0 0,0	40,4	20,20		20,20	
5 0 3,6	41,6	22,60		24,75	— 2,15
10 0 7,4	46,4	26,90	″	29,29	2,39
15 0 12,0	53,2	32,60	′ 5 0 4,55	33,84	1,24
20 0 16,7	59,4	38,05		38,39	0,34
25 0 23,0	3,7	43,35	°	42,93	+ 0,42
30 0 28,0	5,7	46,85		47,48	
After breakfast.					
0 0 0,0	40,8	20,40		20,40	
15 0 4,6	43,8	24.20		22,94	+ 1,26
0 0 5,3	45.4	25.35	″	25,48	— 0,13
15 0 9,8	49,0	29,40	′ 5 0 2,54	28,02	+ 1,38
20 0 11,1	52,6	31,85		30,56	1,29
25 0 12,8	54,4	33,60	°	33,09	0,51
30 0 16,0	54,0	35,00		35,65	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang × 1. 2, &c.	Diff. or error div.
° ′ ″	″	″		″	
0 0 0,0	38,9	19,45		19,45	
5 0 6,0	40,0	23,00		22,28	+ 0,72
10 0 8,5	43,2	25,85	″	25,11	0,74
15 0 9,8	47,0	28,40	′ 5 0 2,83	27,94	0,46
20 0 11,6	47,2	29,40		30,77	— 1,37
25 0 14,9	52,0	33,45	°	33,60	0,15
30 0 19,3	52,3	35,80		36,43	
0 0 0,0	39,0	19,50		19,50	
5 0 3,2	39,2	21,20		22,33	— 1,13
10 0 5,3	42,9	24,10	″	25,16	1,06
15 0 10.6	48,9	29,75	′ 5 0 2,83	27,99	+ 1,76
20 0 12,6	50 6	31,60		30,82	0,78
25 0 14,6	52,4	33,50	°	33,65	— 0,15
30 0 18,0	53,7	35,85		36,48	
0 0 0,0	38,0	19,00		19,00	
5 0 3,0	40,8	21,90		23,60	— 1,70
10 0 8,4	45,2	26,80	″	28,20	1,40
15 0 14,6	51,4	33,00	′ 5 0 4,60	32.80	+ 0,20
20 0 18,5	57,2	37,85		37,40	0,45
25 0 23,1	1,3	42,20	°	41,99	0,21
30 0 29,6	2,3	45,95		46,58	
0 0 0,0	37,0	18,50		18,50	
5 0 4,4	38,0	21,20		23,59	— 2,39
10 0 6.4	44,7	25,55	″	28,68	3,13
15 0 13,0	50,2	31,60	′ 5 0 5,09	33,77	2,17
20 0 14,2	57,5	35,85		38,86	3,01
25 0 22,3	2,6	42,45	°	43,94	1,49
30 0 29,2	7,6	48,40		49,03	

The above series as well as those which follow, exhibits that the angle subtended by the two collimators was by no means constant throughout; a circumstance however; which I have generally been able to account for :—either the light required trimming; or for some purpose or other some movement on the part of the observers took place.

I now commenced a series, between the division 30° and 60°; thus

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1, 2, &c.	Diff. or error div.
September 20th at Noon.					
° ′ ″	″	″		″	″
30 0 0,0	37,3	18,65		19.28	
35 0 1,0	41,1	21,05		21,86	— 0,81
40 0 1,8	42,8	22,30	″	24,44	2,14
45 0 6,7	45,0	25,85	′ 5 0 2,58	27,02	1,17
50 0 8,2	48,5	28,35		29,60	1,25
55 0 10,2	49,9	30,05	°	32,18	2,13
60 0 13,8	51,9	32,85		34,76	

Measures of the angle subtended by the collimators. A.	B.	Mean	True angle.	Tr. ang. × 1. 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
30 0 0,0	39,3	19,65		20,28	
35 0 0.2	42,0	21,10		22,63	— 1,53
40 0 3.7	44,1	23,90	″	24,97	1,07
45 0 7,9	47,1	27,50	′ 5 0 2,35	27,32	+ 0,18
50 0 9,9	50,2	30,05		29,67	0,38
55 0 10,4	53,0	31.70	°	32,01	— 0,31
60 0 12.2	52,7	32,45		34,36	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang. × 1, 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
30 0 0,0	37,7	18,85		19,48	
35 0 0,7	41,0	20,85		22,08	— 1,23
40 0 2,2	43,4	22,80	″	24,67	1,87
45 0 7,9	46,0	26,95	′	27,27	0,32
50 0 9,3	49,8	29,55	°	29,87	0,32
55 0 11,0	52,7	31,85	5 0 2,60	32,46	0,61
60 0 14,3	52,0	33,15		35,06	
30 0 0,0	37,9	18,95		19,58	
35 0 0,9	40,7	20,80	″	22,11	— 1.31
40 0 2,9	43,1	23,00		24,64	1,64
45 0 7,8	45,0	26,40	′	27,17	0,77
50 0 9,1	48,3	28,70	°	29,70	1,00
55 0 10,4	51,0	30,70	5 0 2,53	32,23	1,53
60 0 13,7	52,0	32,85		34,76	
30 0 0,0	38,7	19,35		19,98	
35 0 1,0	41,1	21,05	′	22,39	— 1,34
40 0 3,2	42,9	23,05		24,81	1,76
45 0 7,3	46,1	26,70	′	27,22	0,52
50 0 7,9	47,5	27,70	′	29,63	1,93
55 0 9,7	51,4	30.55	°	32,05	1,50
60 0 3,2	51,9	32,55	5 0 2,41	34,46	
30 0 0,0	38,6	19,30		19,93	
35 0 1,0	41,4	21,20	″	22,61	— 1,41
40 0 3,8	44,2	24,00		25,29	1,29
45 0 8,8	46,6	27,70	′	27,97	0.27
50 0 9,4	50,0	29,70	°	30,65	0,95
55 0 10,8	52,4	31,60	5 0 2,68	33,33	1,73
60 0 14,9	53,3	34,10		36,01	
30 0 0,0	38,0	19,00		19,63	
35 0 0,8	41,4	21,10	″	22,51	— 1,41
40 0 4,1	44,9	24,50		25,39	0,89
45 0 8,1	46,4	27,25	′	28,27	1,02
50 0 9,8	50,9	30,35	°	31,15	0,80
55 0 12,0	52,9	32,45	5 0 2,88	34,03	1,58
60 0 16,0	54,0	35,00		36,91	
30 0 0,0	38,9	19,45		20,08	
35 0 1,0	42,0	21,50	″	22,80	— 1,30
40 0 4.3	45,7	25.00		25,53	0,53
45 0 9,9	48,8	29,35	′	28,25	+ 1,10
50 0 11,0	52,1	31,55	°	30,97	+ 0.58
55 0 12,0	53.1	32,55	5 0 2,72	33,69	— 1,14
60 0 15,6	53,4	34,50		36,41	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang. × 1, 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
30 0 0,0	38,4	19,20		19,83	
35 0 0,8	42,0	21,40	″	22,73	— 1,33
40 0 4,2	45,8	25,00		25,62	0,62
45 0 8,7	48,4	28.55	′	28,52	+ 0,03
50 0 10,9	50,8	30,85	°	31,42	— 0,57
55 0 13,0	54,1	33,55	5 0 2,90	34,32	0,77
60 0 16,2	54,4	35,30		37,21	
30 0 0,0	39,0	19,50		20,13	
35 0 0,8	41,4	21,10	″	22,89	—1,79
40 0 4,0	45,1	24,55		25,66	1,11
45 0 7,4	46,2	26,80	′	28,42	1,62
50 0 9,4	50 6	30,00	°	31,18	1,18
55 0 11,2	53,6	32,40	5 0 2,76	33,95	1,55
60 0 15,6	54,0	34,80		36,71	

September 21st at 7 A. M.

60 0 0,0	39,1	19,55		21,46	
65 0 5.0	45,5	25.25		27,39	— 2,14
70 0 11,2	50,1	30,65	″	33,31	2,66
75 0 18,2	56,4	37,30		39,24	1,94
80 0 23,7	5,3	44,50	′	45.17	0,67
85 0 33,0	10,4	51,70	°	51,09	+ 0,61
90 0 36,7	15,7	56,20	5 0 5,93	57,92	
60 0 0,0	39,5	19.75		21,66	
65 0 5,8	46,1	25,95		27,77	— 1,82
70 0 12,3	52,0	32,15	″	33.88	1,73
75 0 19,2	58,8	39.00		39,99	0,99
80 0 26,9	7,1	47,00	′	46,10	+ 0,90
85 0 31,7	11,8	51,75	°	52,21	— 0,46
90 0 37,7	17,3	57,50	5 0 6,11	58,32	
60 0 0,0	39,8	19,90		21,81	
65 0 5,9	47,7	26,80		27,89	— 1,09
70 0 11,9	51,4	31,65	″	33,98	2,33
75 0 19,8	58,7	39,25		40,06	0,81
80 0 24,8	6,1	45,45	′	46,15	0,70
85 0 31,8	11,3	51,55	°	52,23	0,68
90 0 37,1	17,9	57,50	5 0 6,08	58,32	

We went to breakfast, leaving my two assistants *Baboo Naick* and *Sashoo* to continue the series, thus.

60 0 0,0	41,1	20 55		22,46	
65 0 6,0	47,3	26,65		28,25	— 1,60
70 0 12,2	52,2	32,20	″	34,05	1,85
75 0 18,2	58,0	38,10		39,84	1,74
80 0 24,7	5,6	45,15	′	45,63	0,48
85 0 30,3	10,7	50,50	°	51,43	0,93
90 0 36,0	16,8	56,40	5 0 5,79	57,22	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang. × 1, 2, &c.	Diff. or error. div.	Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang. × 1, 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″	° ′ ″	″	″		″	″
60 0 0,0	40,5	20,25		22,16		60 0 0,0	41,2	20,60		22,51	
65 0 7,0	48,0	27,50	5,65	27,80	— 0,30	65 0 5,6	47,5	26,55	6,86	29,37	— 2,82
70 0 11,9	52,1	32,00		33,45	1,45	70 0 12,2	53,5	32,85		36,23	3,38
75 0 19,2	58,3	38,75		39,09	0,34	75 0 20,0	1,0	40,50		43,09	2,59
80 0 24,9	5,1	45,00		44,73	+ 0,27	80 0 27,3	9,6	48,45		49,95	1,50
85 0 30,1	10,2	50,15		50,38	— 0,23	85 0 35,5	14,8	55,15		56,81	1,66
90 0 34,2	16,2	55,20		56,02		90 0 42,4	23,3	62,85		63,67	
60 0 0,0	41,3	20,65		22,56		60 0 0,0	43,2	21,60		23,51	
65 0 5,8	48,2	27,00	5,54	28,10	— 1,10	65 0 5,9	48,6	27,25	6,68	30,19	— 2,94
70 0 12,4	52,6	32,50		33,65	1,15	70 0 13,6	53,3	33,45		36,88	3,43
75 0 18,7	58,3	38,50		39,19	0,69	75 0 21,6	2,0	41,80		43,56	1,76
80 0 23,0	5,0	44,00		44,73	0,73	80 0 27,6	10,4	49,00		50,25	1,25
85 0 29,2	10,0	49,60		50,28	0,68	85 0 36,1	17,4	56,75		56,93	0,18
90 0 34,2	15,8	55,00		55,82		90 0 43,7	21,9	62,80		63,62	
60 0 0,0	40,6	20,30		22,21		60 0 0,0	41,7	20,85		22,76	
65 0 4,0	47,0	25,50	5,45	27,66	— 2,16	65 0 5,1	47,5	26,30	6,53	29,29	— 2,99
70 0 9,8	49,2	29,50		33,11	3,61	70 0 12,4	52,8	32,60		35,83	3,23
75 0 16,7	57,0	36,85		38,57	1,72	75 0 21,4	0,6	41,00		42,36	1,36
80 0 21,9	4,3	43,10		44,02	0,92	80 0 27,8	8,7	48,25		48,90	0,65
85 0 28,8	9,4	49,10		49,47	0,37	85 0 35,7	14,2	54,95		55,43	0,48
90 0 32,6	15,6	54,10		54,92		90 0 41,1	21,2	61,15		61,97	

The above observations appearing consistent, and being otherwise engaged (in a series of magnetic observations,) the same two assistants were allowed to proceed with the series of measures on the divisions 90°—120°, as follows.

90 0 0,0	42,0	21,50		22,32		90 0 0,0	43,2	21,60		22,42	
95 0 8,0	49,6	28,80	6,85	29,17	— 0,37	95 0 8,4	50,3	29,35	6,89	29,31	+ 0 04
100 0 13,0	57,0	35,00		36,02	1,02	100 0 14,2	57,6	35,90		36,20	— 0,30
105 0 21,4	2,1	41,75		42,87	1,12	105 0 21,7	2,0	41,85		43,10	1,25
110 0 27,3	11,0	49,15		49,72	0,57	110 0 27,9	10,6	49,25		49,99	0,74
115 0 34,0	15,2	54,60		56,57	1,97	115 0 34,5	15,9	55,20		56,88	1,68
120 0 42,6	21,4	62,00		63,42		120 0 42,2	22,5	62,35		63,77	
90 0 0,0	42,0	21,00		21,82		90 0 0,0	42,2	21,10		21,92	
95 0 8,8	47,1	27,95	6,87	28,68	— 0,73	95 0 8,7	49,2	28,95	7,09	29,01	— 0,06
100 0 15,0	53,7	34,35		35,54	1,19	100 0 15,6	58,5	37,05		36,10	+ 0,95
105 0 23,5	0,4	41,95		42,41	0,46	105 0 23,0	3,2	43,10		43,19	— 0,09
110 0 28,0	9,3	48,65		49,28	0,63	110 0 29,7	10,9	50,30		50,29	+ 0,01
115 0 36,0	14,2	55,10		56,15	1,05	115 0 35,6	16,5	56,05		57,38	— 1,33
120 0 41,6	21,6	61,60		63,02		120 0 43,0	23,1	63,05		64,47	
90 0 0,0	42,5	21,25		22,07		90 0 0,0	43,3	21,65		22,47	
95 0 5,4	50,0	27,70	6,92	28,99	— 1,29	95 0 9,6	50,2	29,90	7,31	29,78	+ 0,12
100 0 12,0	59,2	35,60		35,92	0,32	100 0 15,9	58,4	37,15		37,09	+ 0,06
105 0 20,0	4,0	42,00		42,84	0,84	105 0 24,3	4,0	44,[illegible]5		44,39	— 0,24
110 0 26,9	10,4	48,65		49,77	1,12	110 0 30,3	11,3	50,80		51,70	0,90
115 0 33,0	15,3	54,15		56,69	2,54	115 0 37,3	17,4	57,35		59,01	1,66
120 0 40,3	22,1	61,20		63,62		120 0 45,2	24,6	64,90		66,32	
90 0 0,0	43,0	21,50		22,32		90 0 0,0	43,0	21,50		22,32	
95 0 10,4	50,0	30,20	6,92	29,24	+ 0,86	95 0 9,0	50,4	29,70	6,97	29,29	+ 0,41
100 0 15,0	59,2	37,10		36,16	0,94	100 0 14,7	58,3	36,50		36,27	+ 0,23
105 0 24,0	4,0	44,00		43,07	0,93	105 0 22,6	3,6	43,10		43,24	— 0 14
110 0 29,9	10,4	50,15		49,99	0,16	110 0 29,4	10,1	49,75		50,22	0,47
115 0 33,1	15,3	54,20		56,90	— 2,70	115 0 36,1	16,4	56,25		57,19	0,94
120 0 42,7	22,1	62,40		63,82		120 0 43,0	22,5	62,75		64,17	

Measures of the angle subtended by the collimators. A.	B.	Mean	True angle	Tr. ang. × 1, 2, &c.	Diff or error div.
° ′ ″	″	″		″	″
90 0 0,0	43,0	21,50		22,32	
95 0 8,4	48,6	28,50	″	29,27	— 0,77
100 0 14,0	57,0	35,50	6,95	36,22	0,72
105 0 22,6	3,0	42,80	′	43,17	0,37
110 0 29,8	9,9	49,85	0	50,12	0,27
115 0 35,0	15,7	55,35	5	57,07	1,72
120 0 42,5	22,7	62,60	°	64,02	

September 22nd at 7 A. M. Mr. Caldicot and myself commenced the measures on divisions 120°—150° thus.

120 0 0,0	41,6	20,80		22,22	
125 0 16,2	56,4	36,30	″	36,92	— 0,62
130 0 32,1	12,5	52,30	14,70	51,62	+ 0,68
135 0 46,1	26,0	6,05	′	6,33	— 0,28
140 1 0,6	40,5	20,55	0	21,03	— 0,48
145 1 15,0	57,1	36,05	5	35,73	+ 0,32
150 1 28,8	8,1	48,45	°	50,44	
120 0 0,0	41,6	20,80		22,22	
125 0 15,3	56,3	35,80	″	36,56	— 0,76
130 0 29,7	10,0	49,85	14,34	50,91	1,06
135 0 44,0	23,2	3,60	′	5,25	1,65
140 0 58,7	36,9	17,80	0	19,60	1,80
145 0 13,0	54,7	33,85	5	33,94	0,09
150 0 26,2	6,4	46,30	°	48,29	
120 0 0,0	42,0	21,00		22,42	
125 0 14,8	56,9	35,85	″	37,16	— 1,31
130 0 30,7	10,5	50,60	14,74	51,91	1,31
135 0 44,8	24,4	64,60	′	6,65	2,05
140 0 59,6	38,9	19,25	0	21,40	2,15
145 1 14,8	55,0	34,90	5	36,14	1,24
150 1 28,9	8,9	48,90	°	50,89	
120 0 0,0	42,2	21,10		22,52	
125 0 17,0	58,2	37,60	″	37,11	+ 0,49
130 0 31,8	11,1	51,45	14,59	51,69	— 0,24
135 0 44,8	23,9	4,35	′	6,28	1,93
140 0 59,7	38,7	19,20	0	20,87	1,67
145 1 14,8	55,4	35,10	5	35,45	0,35
150 1 28,2	7,9	48,05	°	50,04	
120 0 0,0	41,3	20,65		22,07	
125 0 16,4	56,1	36,25	″	37,65	— 1,40
130 0 32,1	12,4	52,25	15,58	53,23	0,98
135 0 45,8	25,9	5,85	′	8,80	2,95
140 0 59,7	39,7	19,70	0	24,38	4,68
145 1 19,0	0,0	39,50	5	39,96	0,46
150 1 34,0	13,1	53,55	°	55,54	

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle	tr. ang × 1, 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
90 0 0,0	42,0	21,00		21,82	
95 0 9,8	49,4	29,60	″	28,95	+ 0,65
100 0 15,1	57,3	36,20	7,13	36,08	+ 0,12
105 0 24,4	4,0	44,20	′	43,22	+ 0,98
110 0 30,6	12,7	51,65	0	50,35	+ 1,30
115 0 36,8	17,2	57,00	5	57,48	— 0,48
120 0 43,0	23,4	63,20	°	64,62	
120 0 0,0	40,3	20,15		21,57	
125 0 15,3	55,9	35,60	″	36,81	— 1,21
130 0 31,6	10,2	50,90	15,24	52,06	1,16
135 0 44,1	24,6	4,35	′	7,30	2,95
140 0 59,8	37,9	18,85	0	22,55	3,70
145 1 17,6	57,2	37,40	5	37 79	0,39
150 1 31,3	10,8	51,05	°	53,04	
120 0 0,0	40,8	20,40		21,82	
125 0 15,7	56,3	36,00	″	36,96	— 0,96
130 0 31,0	10,4	50,70	15,14	52,09	1,39
135 0 44,9	24,1	4,50	′	7,23	2,73
140 1 0,6	38,0	19,30	0	22,37	3,07
145 1 16,7	56,9	36,80	5	37,50	0,70
150 1 31,0	10,3	50,65	°	52,64	

We went to breakfast, after which I diminished the angle.

120 0 0,0	43,6	21,80		23,22	
125 0 7,7	53,0	30,35	′	31,88	— 1,53
130 0 18,6	2,2	40,40	8,62	40,50	0,10
135 0 26,9	10,9	48,90	′	49,12	0,22
140 0 33,9	18,0	55,95	0	57,74	1,79
145 0 42,4	27,0	4,70	5	6,36	1,66
150 0 50,9	35,0	12,95	°	14,94	
120 0 0,0	45,0	22,50		23,92	
125 0 9,4	53,0	31,20	″	32,56	— 1,36
130 0 16,5	1,9	39,20	8,64	41,21	2,01
135 0 25,8	10,5	48,15	′	49,85	1,70
140 0 36,4	20,0	58,20	0	58,50	0,30
145 0 44,9	28,4	6,65	5	7,14	0,49
150 0 52,6	35,0	13,80	°	15,79	
120 0 0,0	45,3	22,65		24,07	
125 0 10,7	55,5	33,10	″	33,17	— 0,07
130 0 20,4	5,0	42,70	9,10	42,28	+ 0,42
135 0 27,8	13,2	50,50	′	51,38	— 0,88
140 0 37,4	20,2	58,80	0	0,48	1,68
145 0 47,3	31,0	9,15	5	9,59	0,44
150 0 54,4	39,0	16,70	°	18,69	

After which we proceeded to measure the same angle upon the divisions 150° and 180° thus.

Measures of the angle subtended by the collimators. A.	B.	Mean.	True angle.	tr. ang. × 1, 2, &c.	Diff. or error div.
° ′ ″	″	″		″	″
150 0 0,0	41,9	20,95		22,94	
155 0 11,0	53,0	32,00	5° 0′ 9″,23	32,17	— 0,17
160 0 18,3	3,5	40,90		41,41	0,51
165 0 28,1	11,5	49,80		50,64	0,84
170 0 38,2	22,6	0,40		59,88	+ 0,52
175 0 48,2	31,8	10,00		9,11	+ 0,89
180 0 57,3	39,4	18,35		18,35	
150 0 0,0	42,2	21,10		23,09	
155 0 8,6	53,0	30,80	5° 0′ 9″,13	32,22	— 1,42
160 0 17,1	0,9	39,00		41,34	2,34
165 0 26,8	11,2	49,00		50,47	1,47
170 0 35,6	21,5	58,55		59,60	1,05
175 0 46,2	33,0	9,60		8,72	+ 0,88
180 0 55,5	40,2	17,85		17,85	
150 0 0,0	41,9	20,95		22,94	
155 0 10,7	50,3	30,50	5° 0′ 8″,67	31,61	— 1,11
160 0 18,0	1,0	39,50		40,28	0,78
165 0 26,9	9,4	48,15		48,94	0,79
170 0 37,4	18,3	57,85		57,61	+ 0,24
175 0 46,2	29,2	7,70		6,28	+ 1,42
180 0 53,9	36,0	14,95		14,95	
150 0 0,0	42,3	21,15		23,14	
155 0 12,0	52,3	32,15	5° 0′ 8″,93	32,07	+ 0,08
160 0 18,8	1,2	40,00		41,01	— 1,01
165 0 27,7	10,0	48,85		49,94	1,09
170 0 38,8	19,4	59,15		58,88	+ 0,27
175 0 47,7	28,7	8,20		7,81	+ 0,39
180 0 55,4	38,1	16,75		16,75	
150 0 0,0	41,7	20,85		22,84	
155 0 11,3	51,9	31,60	5° 0′ 8″,96	31,80	— 0,20
160 0 19,1	1,8	40,45		40,76	0,31
165 0 28,2	10,7	49,45		49,72	0,27
170 0 38,2	18,8	58,50		58,68	0,18
175 0 48,2	29,3	8,75		7,64	+ 1,11
180 0 56,2	37,0	16,60		16,60	

Measures of the angle subtended by the collimators. A.	B.	Mean	True angle.	Tr. ang. × 1. 2, &c.	Diff. or error div.
° ″	″	″		″	″
150 0 0,0	42,4	21,20		23,19	
155 0 9,7	51,4	30,55	5° 0′ 7″,37	30,56	— 0,01
160 0 15,0	59,0	37,00		37,93	— 0,93
165 0 23,0	7,6	45,30		45,29	+ 0,01
170 0 32,0	14,7	53,35		52,66	+ 0,69
175 0 39,3	22,8	1,05		0,03	+ 1,02
180 0 44,8	30,0	7,40		7,40	
150 0 0,0	42,9	21,45		23,44	
155 0 9,1	52,2	30,65	5° 0′ 7″,31	30,75	— 0,10
160 0 16,8	59,4	38,10		38,06	+ 0,04
165 0 23,6	8,4	46,00		45,37	+ 0,63
170 0 32,2	15,6	53,90		52,68	+ 1,22
175 0 39,9	24,2	2,05		59,99	+ 2,06
180 0 45,3	29,3	7,30		7,30	
150 0 0,0	42,7	21,35		23,34	
155 0 8,9	52,0	30,45	5° 0′ 6″,88	30,22	+ 0,23
160 0 16,0	59,0	37,05		37,11	— 0,06
165 0 23,0	8,2	45,60		43,99	+ 1,61
170 0 32,0	14,8	53,40		50,88	+ 2,52
175 0 36,2	19,9	58,05		57,76	+ 0,29
180 0 43,0	26,3	4,65		4,65	
150 0 0,0	42,4	21,20		23,19	
155 0 8,9	51,6	30,25	5° 0′ 7″,13	30,32	— 0,07
160 0 15,3	58,0	36,65		37,44	— 0,79
165 0 22,0	7,3	44,65		44,57	+ 0,08
170 0 31,2	14,0	52,60		51,70	+ 0,90
175 0 39,1	23,3	1,20		58,82	+ 2,38
180 0 43,6	28,3	5,95		5,95	
150 0 0,0	43,3	21,65		23,64	
155 0 8,8	51,7	30,25	5° 0′ 6″,94	30,58	— 0,33
160 0 15,3	57,6	36,45		37,53	— 1,08
165 0 22,6	7,0	44,80		44,47	+ 0,33
170 0 31,6	14,0	52,80		51,41	+ 1,39
175 0 37,8	22,2	0,00		58,36	+ 1,64
180 0 43,4	27,2	5,30		5,30	

The above, by my assistants, *Baboo Naik* and *Sashoo.*

If we now arrange these several errors in a tabular shape, and refering to the Journal of the Asiatic Society of Bengal (May 1833) for the observations already alluded to as having been made in 1832, we shall no doubt get a tolerably near approximation to the truth.

Diameters.		No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.	No. 7.	No. 8.	No. 9.	No. 10.	Mean.	former result (1832.)	General Mean.
°	°	"	"	"	"	"	"	"	"	"	"	"	"	"
5	185	— 1,33	— 1,95	— 1,15	+ 0,14	— 2,15	+ 1,26	+ 0,72	— 1,13	— 1,70	— 2,39	— 0,97	— 0,64	— 0,81
10	190	— 2,45	— 0,99	— 1,99	— 0,36	— 2,39	— 0,13	+ 0,74	— 1,06	— 1,40	— 3,13	1,32	— 0,46	0,89
15	195	— 1,32	+ 0,36	— 1,64	— 0,57	— 1,24	+ 1,38	+ 0,46	+ 1,76	+ 0,20	— 2,17	0,28	+ 0,13	0,07
20	200	— 0,94	+ 1,41	— 2,44	— 0,82	— 0,34	+ 1,29	— 1,37	+ 0,78	+ 0,45	— 3,01	0,49	0,45	0 02
25	205	+ 0,24	+ 1,32	— 0,33	— 0,93	+ 0,42	+ 0,51	— 0,15	— 0,15	+ 0,21	— 1,49	0,03	0,61	+ 0,29
30	210											0,63	— 0,26	— 0,44
35	215	— 0,81	— 1,53	— 1,23	— 1,31	— 1,34	— 1,41	— 1,41	— 1,30	— 1,33	— 1,79	1,35	0,56	0,95
40	220	— 2,14	— 1,07	— 1,87	— 1,64	— 1,76	— 1,29	— 0,89	— 0,53	— 0,62	— 1,11	1,29	0,29	0,79
45	225	— 1,17	+ 0,18	— 0,32	— 0,77	— 0,52	— 0,27	— 1,02	+ 1,10	+ 0,03	— 1,62	0,44	+ 0,05	0,19
50	230	— 1,25	+ 0,38	— 0,32	— 1,00	— 1,93	— 0,95	— 0,80	+ 0,58	— 0,57	— 1,18	0,71	— 0,12	0,41
55	235	— 2,13	— 0,31	— 0,61	— 1,53	— 1,50	— 1,73	— 1,58	— 1,14	— 0,77	— 1,55	1,29	0,80	1,04
60	240											1,91	1,00	1,45
65	245	— 2,14	— 1,82	— 1,09	— 1,60	— 0,30	— 1,10	— 2,16	— 2,82	— 2,94	— 2,99	1,90	1,20	1,55
70	250	— 2,66	— 1,73	— 2,33	— 1,85	— 1,45	— 1,15	— 3,61	— 3,38	— 3,43	— 3,23	2,48	1,30	1,89
75	255	— 1,94	— 0,99	— 0,81	— 1,74	— 0,34	— 0,69	— 1,72	— 2,59	— 1,76	— 1,36	1,39	0,69	1,04
80	260	— 0,67	+ 0,90	— 0,70	— 0,48	+ 0,27	— 0,73	— 0,92	— 1,50	— 1,25	— 0,65	0,57	0,23	0.40
85	265	+ 0,61	— 0,46	— 0,68	— 0,93	— 0,23	— 0,68	— 0,37	— 1,66	— 0,18	— 0,48	0,50	0,12	0.31
90	270											0,82	0,45	0,63
95	275	— 0,37	— 0,73	— 1,29	+ 0,86	+ 0,04	— 0,06	+ 0,12	+ 0,41	— 0.77	+ 0,65	0,11	0,88	0,45
100	280	— 1,02	— 1,19	— 0,32	+ 0,94	— 0,30	+ 0,95	+ 0.06	+ 0,23	— 0,72	+ 0,12	0,13	1,58	0,85
105	285	— 1,12	— 0,46	— 0,84	+ 0,93	— 1,25	— 0,09	— 0,24	— 0,14	— 0,37	+ 0.98	0,26	1,16	0,71
110	290	— 0,57	— 0,63	— 1,12	+ 0,16	— 0,74	+ 0,01	— 0,90	— 0,47	— 0,27	+ 1,30	0,32	1,48	0,90
115	295	— 1,97	— 1,05	— 2,54	— 2,70	— 1,68	— 1,33	— 1,66	— 0,94	— 1,72	— 0,48	1,61	1,77	1,69
120	300											1,42	1,57	1,50
125	305	— 0,62	— 0,76	— 1,31	+ 0,49	— 1,40	— 1,21	— 0,96	— 1,53	— 1,36	— 0,07	0,87	0,66	0,76
130	310	+ 0,68	— 1,05	— 1,31	— 0,24	— 0,98	— 1,16	— 1,39	— 0,10	— 2,01	+ 0,42	0,71	0,96	0,83
135	315	— 0,28	— 1,65	— 2,05	— 1,93	— 2,95	— 2,95	— 2,73	— 0,22	— 1,70	— 0,88	1.73	1,39	1,56
140	320	— 0,48	— 1,80	— 2,15	— 1,67	— 4,68	— 3,70	— 3,07	— 1,79	— 0,30	— 1.68	2,14	1,33	1,73
145	325	+ 0,32	— 0,09	— 1,24	— 0,35	— 0,46	— 0,39	— 0,70	— 1,66	— 0,49	— 0,44	0,55	1,75	1,15
150	330											1,99	2,15	2,07
155	335	— 0,17	— 1,42	— 1,11	+ 0,08	— 0,20	— 0,01	— 0,10	+ 0,23	— 0,07	— 0,33	0,31	1,75	1,03
160	340	— 0,51	— 2,34	— 0,78	— 1,01	— 0,31	— 0,93	+ 0.04	— 0,06	— 0,79	— 1,08	0,78	1,20	0,99
165	345	— 0,84	— 1,47	— 0.79	— 1,09	— 0,27	+ 0,01	+ 0,63	+ 1,61	+ 0,08	+ 0,33	0,18	0,46	0,32
170	350	+ 0,52	— 1,05	+ 0,24	+ 0,27	— 0,18	+ 0,69	+ 1,22	+ 2.52	+ 0.90	+ 1,39	+ 0,65	0,20	+ 0,22
175	355	+ 0,89	+ 0,88	+ 1,42	+ 0,39	+ 1,11	+ 1,02	+ 2,06	+ 0,29	+ 2,38	+ 1,64	1,21	+ 0,09	0,65
180														0,00

The above—with two or three exceptions, was the extent to which the examination had gone up to the end of the present year (1839), when, the continued irregularities in the observations of the Sun, and the fact—that several stars whose places had been carefully observed here, differed to the amount of 4 or 5 seconds from the Greenwich or Cambridge observations,—these circumstances together, induced me to examine in a similar manner the errors of each single degree: for this purpose, two pairs of cross wires were fitted into the focus of the five feet telescope, but as these could not be separated to the full extent (one degree.) I was compelled to employ the fixed horizontal wire of the circle telescope at *one* of the crosses, and the moveable wire of the same at the *other*, when the following measures were made.

Error of Division of each degree of the Madras Mural Circle.

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or error div.	Observer.
	° ′ ″	″	″		″	″	
	0 0 0,0	2,2	1,10		1,10	0,00	T. & S.
1	59,9	0,7	0,30	″	3,36	—3,06	
2	59,6	2,5	1,05	′ 2,25	5,61	4,56	
3	59,6	1,7	0,65	° 0	7,86	7,21	
4	3,2	3,0	3,10	1	10,11	7,01	
5	5 0 10,1	13,0	11,55		12,36	0,81	
	0 0 0,0	3,2	1,60		1,60	0,00	
1	58,9	1,9	0,40	″	4,14	—3,74	
2	58,7	0,9	59,80	′ 2,53	6,67	6,87	
3	58,1	2,4	0,25	° 0	9,20	8,95	
4	1,7	4,0	2,85	1	11,73	8,88	
5	5 0 11,9	15,0	13,45		14,26	0,81	
	0 0 0,0	3,8	1,90		1,90	0,00	
1	58,9	1,6	0,25	″	3,88	—3,63	
2	59,2	3,4	1,30	′ 1,97	5,85	4,55	
3	57,4	3,2	0,30	° 0	7,82	7,52	
4	2,0	4,4	3,20	1	9,79	6,59	
5	5 0 9,1	12,8	10,95		11,76	0,81	
	0 0 0,0	4,4	2,20		2,20	0,00	
1	59,6	3,5	1,55	″	4,49	—2,94	
2	0,6	5,5	3,05	′ 2,28	6,77	3,72	
3	0,7	4,6	2,65	° 0	9,05	6,40	
4	3,7	7,3	5,50	1	11,33	5,83	
5	5 0 10,1	15,5	12,80		13,61	0,81	
	0 0 0,0	5,3	2,65		2,65	0,00	
1	58,4	3,5	0,95	″	4,94	—3,99	
2	0,1	4,3	2,20	′ 2,28	7,22	5,02	
3	58,5	3,8	1,15	° 0	9,50	8,35	
4	3,0	8,0	5,50	1	11,78	6,28	
5	5 0 10,5	16,0	13,25		14,06	0,81	
	5 0 0,0	6,0	3,00		3,81	—0,81	
1	59,4	3,5	1,45	″	6,21	4,76	
2	0,5	4,1	2,30	′ 2,40	8,61	6,31	
3	0,3	4,9	2,60	° 0	11,00	8,40	
4	3,7	9,1	6,40	1	13,40	7,00	
5	10 0 11,7	18,1	14,90		15,79	0,89	
	5 0 0,0	5,5	2,75		3,56	—0,81	
1	0,4	3,5	1,95	″	5,97	4,02	
2	1,8	7,0	4,40	′ 2,41	8,38	3,98	
3	2,2	8,4	5,30	° 0	10,79	5,49	
4	8,6	9,6	9,10	1	13,19	4,09	
5	10 0 12,0	17,4	14,70		15,59	0,89	
	5 0 0,0	5,7	2,85		3,66	—0,81	
1	59,7	3,3	1,50	″	6,36	4,86	
2	2,3	5,4	3,85	′ 2,70	9,05	5,20	
3	1,2	6,7	3,95	° 0	11,75	7,80	
4	5,5	9,1	7,30	1	14,44	7,14	
5	10 0 13,5	19,0	16,25		17,14	0,89	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or error div.	Observer.
	° ′ ″	″	″		″	″	
	5 0 0,0	4,0	2,00		2,81	—0,81	T. & S
1	59,2	1,6	0,40	″	5,38	4,98	
2	59,9	3,5	1,70	′ 2,57	7,95	6,25	
3	0,8	4,1	2,45	° 0	10,51	8,06	
4	3,8	7,3	5,55	1	13,08	7,53	
5	10 0 11,8	17,7	14,75		15,64	0,89	
	5 0 0,0	6,7	3,35		4,16	—0,81	
1	2,0	6,5	4,25	″	8,18	3,93	
2	6,0	9,3	7,65	′ 4,02	12,20	4,55	
3	7,4	10,5	8,95	° 0	16,21	7,26	
4	11,4	16,9	14,15	1	20,23	6 08	
5	10 0 21,6	25,1	23,35		24,24	0,89	
	10 0 0,0	7,2	3,60		4,49	—0,89	
1	58,4	6,4	2,40	″	8,88	6,48	
2	3,7	10,4	7,05	′ 4,39	13,28	6,23	
3	5,8	12,2	9,00	° 0	17,67	8,67	
4	11,1	18,5	14,80	1	22,07	7,27	
5	15 0 23,8	29,0	26,40		26,47	0,07	
	10 0 0,0	5,0	2,50		3,39	—0,89	
1	0,4	8,0	4,20	″	7,32	3,12	
2	2,9	10,0	6,45	′ 3,93	11,25	4,80	
3	5,0	11,9	8,45	° 0	15,18	6,73	
4	8,8	16,2	12,50	1	19,10	6,60	
5	15 0 20,0	25,9	22,95		23,02	0,07	
	10 0 0,0	6,8	3,40		4,29	—0,83	
1	0,7	5,6	3,15	″	8,88	5,73	
2	5,1	11,7	8,40	′ 4,59	13,47	5,07	
3	7,9	13,2	10,55	° 0	18,06	7,51	
4	13,0	20,5	16,75	1	22,64	5,89	
5	15 0 23,8	30,5	27,15		27,22	0,07	
	10 0 0,0	6,5	3,25		4,14	—0,89	
1	0,8	7,5	4,15	″	8,39	4,23	
2	3,7	10,0	6,85	′ 4,25	12,65	5,80	
3	5,0	11,6	8,30	° 0	16,90	8,60	
4	12,2	18,0	15,10	1	21,16	6,06	
5	15 0 22,7	28,0	25,35		25,42	0,07	
	10 0 0,0	5,6	2,80		3,69	—0,89	
1	59,8	5,9	2,85	″	7,04	4,19	
2	3,9	9,2	6,55	′ 3,35	10,40	3,85	
3	3,2	10,5	6,85	° 0	13,75	6,90	
4	6,6	14,0	10,30	1	17,11	6,81	
5	15 0 17,5	23,5	20,40		20,47	0,07	
	15 0 0,0	6,0	3,00		3,07	—0,07	
1	0,8	9,3	5 05	″	7,65	2,60	
2	4,8	11,1	7,95	′ 4.58	12,23	4,28	
3	6,2	12,9	9,55	° 0	16,81	7,26	
4	12,8	19.4	16,10	1	21,39	5,29	
5	20 0 22,9	29,0	25,95		25,97	0,02	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	20 0 22,9	29,0	25,95		25,97	—0,02	T. & S.
1	12,7	19,5	16,10	° ′ ″ 1 0 4,15	21,82	5,72	
2	8,0	13,2	10,60		17,67	7,07	
3	5,3	10,9	8,10		13,52	5,42	
4	2,9	8,9	5,90		9,37	3,47	
5	15 0 2,7	7,6	5,15		5,22	0,07	
	15 0 0,0	5,2	2,60		2,67	—0,07	
1	0,3	6,3	3,30	° ′ ″ 1 0 3,58	6,25	2,95	
2	1,2	7,3	4,25		9,83	5,58	
3	3,7	9,8	6,75		13,41	6,66	
4	7,8	13,9	10,85		16,99	6,14	
5	20 0 16,8	24,3	20,55		20,57	0,02	
	15 0 0,0	6,4	3,20		3,27	—0,07	
1	0,0	6,0	3,00	° ′ ″ 1 0 4,06	7,33	4,33	
2	1,6	7,7	4,65		11,39	6,74	
3	3,5	9,8	6,65		15,45	8,80	
4	10,1	18,0	14,05		19,51	5,46	
5	20 0 19,9	27,2	23,55		23,57	0,02	
	20 0 19,9	27,2	23,55		23,57	—0,02	
1	10,5	17,7	14,10	° ′ ″ 1 0 4,39	19,18	5,08	
2	4,1	10,6	7,35		14,79	7,44	
3	3,0	8,4	5,70		10,40	4,70	
4	59,2	6,0	2,60		6,01	3,41	
5	14 59 58,7	4,4	1,55		1,62	0,07	
	20 0 0,0	6,4	3,20		3,22	—0,02	
1	59,2	5,5	2,35	° ′ ″ 1 0 4,25	7,47	5,12	
2	1,2	7,2	4,20		11,72	7,52	
3	4,2	11,0	7,60		15,97	8,37	
4	11,9	18,2	15,05		20,22	5,17	
5	25 0 22,1	27,4	24,75		24,46	+0,29	
	20 0 0,0	7,0	3,50		3,52	—0,02	
1	1,0	7,6	4,30	° ′ ″ 1 0 4,40	7,92	3,62	
2	4,8	12,2	8,50		12,32	3,82	
3	7,2	14,0	10,60		16,72	6,12	
4	13,0	20,0	16,50		21,12	4,62	
5	25 0 23,3	28,3	25,80		25,51	+0,29	
	20 0 0,0	6,0	3,00		3,02	—0,02	
1	0,8	8,1	4,45	° ′ ″ 1 0 4,43	7,45	3,00	
2	5,8	11,0	8,40		11,88	3,48	
3	6,9	12,0	9,45		16,31	6,86	
4	13,3	19,2	16,25		20,74	4,49	
5	25 0 22,7	28,2	25,45		25,16	+0,29	
	20 0 0,0	5,5	2,75		2,77	—0,02	
1	1,1	7,2	4,15	° ′ ″ 1 0 4,17	6,94	2,79	
2	4,2	11,0	7,60		11,11	3,51	
3	3,2	11,2	7,20		15,28	8,08	
4	11,2	17,6	14,40		19,44	5,04	
5	25 0 21,0	26,8	23,90		23,61	+0,29	
	20 0 0,0	5,4	2,70		2,72	—0,02	
1	59,7	5,6	2,65	° ′ ″ 1 0 4,47	7,19	4,54	
2	3,7	8,2	5,95		11,66	5,71	
3	5,0	11,2	8,10		16,13	8,03	
4	11,3	16,1	13,70		20,60	6,90	
5	25 0 22,3	28,4	25,35		25,96	+0,29	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	25 0 0,0	5,0	2,50		2,21	+0,29	T. & S.
1	0,0	5,0	2,50	° ′ ″ 1 0 4,72	6,93	—4,43	
2	2,7	9,5	6,10		11,65	5,55	
3	6,0	12,1	9,05		16,36	7,31	
4	11,9	16,5	14,20		21,08	6,88	
5	30 0 24,2	26,5	25,35		25,79	0,44	
	25 0 0,0	6,2	3,10		2,81	+0,29	
1	58,9	5,8	2,35	° ′ ″ 1 0 4,10	6,91	—4,56	
2	2,3	9,0	5,65		11,00	5,35	
3	3,7	10,2	6,95		15,10	8,15	
4	10,0	15,2	12,60		19,19	6,59	
5	30 0 21,5	24,2	22,85		23,29	0,44	
	25 0 0,0	7,4	3,70		3,41	+0,29	
1	0,2	7,5	3,85	° ′ ″ 1 0 3,69	7,10	—3,25	
2	2,1	8,4	5,25		10,79	5,54	
3	2,3	9,7	6,00		14,47	8,47	
4	7,8	13,9	10,85		18,16	7,31	
5	30 0 19,8	23,0	21,40		21,84	0,44	
	25 0 0,0	7,9	3,95		3,66	+0,29	
1	0,4	6,9	3,65	° ′ ″ 1 0 3,35	7,01	—3,36	
2	1,9	8,3	5,10		10,36	5,26	
3	1,5	7,0	4,25		13,71	9,46	
4	6,8	12,1	9,45		17,05	7,60	
5	30 0 18,8	21,1	19,95		20,39	0,44	
	25 0 0,0	7,1	3,55		3,26	+0,29	
1	1,3	7,9	4,60	° ′ ″ 1 0 3,69	6,95	—2,35	
2	5,0	11,5	8,25		10,64	2,39	
3	7,1	12,9	10,00		14,32	4,32	
4	10,5	15,9	13,20		18,01	4,81	
5	30 0 20,4	22,1	21,25		21,69	0,44	
	30 0 0,0	3,3	1,65		2,09	—0,44	B. & S.
1	59,0	3,0	1,00	° ′ ″ 1 0 2,32	4,41	3,41	
2	1,2	4,4	2,80		6,73	3,93	
3	59,2	4,8	2,00		9,06	7,06	
4	1,8	6,8	4,30		11,38	7,08	
5	35 0 9,0	16,5	12,75		13,70	0,95	
	30 0 0,0	2,8	1,40		1,84	—0,44	
1	58,2	1,4	59,80	° ′ ″ 1 0 2,61	4,45	4,65	
2	59,2	3,2	1,20		7,06	5,86	
3	59,2	4,0	1,60		9,68	8,08	
4	3,3	8,7	6,00		12,29	6,29	
5	35 0 10,8	17,1	13,95		14,90	0,95	
	30 0 0,0	2,9	1,45		1,89	—0,44	
1	58,6	2,2	0,40	° ′ ″ 1 0 2,28	4,17	3,77	
2	1,3	4,9	3,10		6,45	3,35	
3	0,2	6,1	3,15		8,74	5,59	
4	3,2	8,3	5,75		11,02	5,27	
5	35 0 8,8	15,9	12,35		13,30	0,95	
	30 0 0,0	3,4	1,70		2,14	—0,44	
1	0,2	3,9	2,05	° ′ ″ 1 0 2,49	4,63	2,58	
2	0,2	4,9	2,55		7,12	4,57	
3	0,0	6,3	3,15		9,62	6,47	
4	3,2	9,1	6,15		12,11	5,96	
5	35 0 10,8	16,5	13,65		14,60	0,95	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	30 0 0,0	2,9	1,45		1,89	—0,44	B. & S.
1	58,6	2,1	0,35	″ 2,64	4,53	4,18	
2	1,7	4,4	3,05		7,17	4,12	
3	59,6	5,3	2,45	′ 1 0	9,82	7,37	
4	4,4	9,4	6,90		12,46	5,56	
5	35 0 10,9	17,4	14,15	°	15,10	0,95	
	35 0 0,0	9,3	4,65		5,60	—0,95	
1	2,3	9,4	5,85	″ 3,11	8,71	2,86	
2	3,9	10,8	7,35		11,82	4,47	
3	3,3	9,6	6,45	′ 1 0	14,92	8,47	
4	8,8	15,4	12,10		18,03	5,93	
5	40 0 17,7	23,0	20,35	°	21,14	0,79	
	35 0 0,0	7,8	3,90		4,85	—0,95	
1	0,3	7,5	3,90	″ 3,01	7,86	3,96	
2	2,4	10,7	6,55		10,87	4,32	
3	2,9	10,0	6,45	′ 1 0	13,87	7,42	
4	7,1	14,0	10,55		16,88	6,33	
5	40 0 16,5	21,7	19,10	°	19,89	0,79	
	35 0 0,0	7,4	3,70		4,65	—0,95	T. & B.
1	59,2	6,3	2,75	″ 2,46	7,11	4,36	
2	58,9	6,8	2,85		9,57	6,72	
3	59,7	6,9	3,30	′ 1 0	12,02	8,72	
4	5,0	11,3	8,15		14,48	6,33	
5	40 0 12,9	19,4	16,15	°	16,94	0,79	
	35 0 0,0	9,9	4,95		5,90	—0,95	
1	1,0	8,2	4,60	″ 2,58	8,48	3,88	
2	1,7	9,0	5,35		11,06	5,71	
3	2,1	8,7	5,40	′ 1 0	13,63	8,23	
4	5,3	12,4	8,85		16,21	7,36	
5	40 0 15,1	20,9	18,00	°	18,79	0,79	
	35 0 0,0	7,5	3,75		4,70	—0,95	
1	59,2	6,6	2,90	″ 2,43	7,13	4,23	
2	0,2	6,9	3,55		9,56	6,01	
3	58,9	6,1	2,50	′ 1 0	11,98	9,48	
4	3,8	11,0	7,40		14,41	7,61	
5	40 0 12,7	19,4	16,05	°	16,84	0,79	
	40 0 0,0	7,0	3,50		4,29	—0,79	
1	59,7	5,4	2,55	″ 3,38	7,67	5,12	
2	3,2	6,0	4,60		11,05	6,45	
2	4,6	7,7	6,15	′ 1 0	14,43	8,28	
4	9,4	17,0	13,20		17,81	4,61	
5	45 0 19,2	22,8	21,00	°	21,19	0,19	
	40 0 0,0	6,1	3,05		3,84	—0,79	
1	1,8	8,0	4,90	″ 4,16	8,00	3,10	
2	6,2	7,9	7,05		12,16	5,11	
3	8,3	11,4	9,85	′ 1 0	16,32	6,47	
4	12,4	18,1	15,25		20,48	5,23	
5	45 0 22,9	26,0	24,45	°	24,64	0,19	
	40 0 0,0	5,8	2,90		3,69	—0,79	
1	1,2	5,0	3,10	″ 4,68	8,37	5,27	
2	5,6	7,4	6,50		13,05	6,55	
3	8,3	14,2	11,25	′ 1 6	17,73	6,48	
4	13,7	19,2	16,45		22,41	5,96	
5	45 0 25,4	28,4	26,90	°	27,09	0,19	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	40 0 0,0	7,3	3,65		4,44	—0,79	T. & B.
1	2,0	5,4	3,70	″ 3,97	8,41	4,71	
2	5,9	10,4	8,15		12,38	4,23	
3	7,9	12,2	10,05	′ 1 0	16,35	6,30	
4	12,7	16,5	14,60		20,32	5,72	
5	45 0 22,7	25,5	24,10	°	24,29	0,19	
	40 0 0,0	5,0	2,50		3,29	—0,79	
1	0,2	3,9	2,05	″ 4,15	7,44	5,39	
2	4,1	7,2	5,65		11,59	5,94	
3	4,3	9,8	7,05	′ 1 0	15,74	8,69	
4	11,3	15,9	13,60		19,89	6,29	
5	45 22,6	25,1	23,85	°	24,04	0,19	
	45 0 0,0	5,3	2,65		2,84	—0,19	B. & S.
1	0,0	5,7	2,85	″ 3,70	6,54	3,69	
2	2,5	10,2	6,35		10,25	3,90	
3	2,0	8,8	5,40	′ 1 0	13,95	8,55	
4	8,7	16,0	12,35		17,66	5,31	
5	50 0 17,9	24,0	20,95	°	21,36	0,41	
	45 0 0,0	3,3	1,65		1,84	—0,19	
1	57,2	3,8	0,50	″ 3,87	5,71	5,21	
2	2,2	7,0	4,60		9,59	4,99	
3	3,0	11,1	7,05	′ 1 0	13,46	6,41	
4	7,6	16,0	11,80		17,34	5,54	
5	50 0 17,1	24,5	20,80	°	21,21	0,41	
	45 0 0,0	3,8	1,90		2,09	—0,19	
1	58,2	4,8	1,50	″ 3,98	6,07	4,57	
2	2,4	7,3	4,85		10,06	5,21	
3	2,3	9,6	5,95	′ 1 0	14,04	8,09	
4	8,3	16,5	12,40		18,03	5,63	
5	50 0 18,2	25,0	21,60	°	22,01	0,41	
	45 0 0,0	4,9	2,45		2,64	—0,19	
1	59,2	6,0	2,60	″ 4,40	7,04	4,44	
2	2,4	8,3	5,35		11,45	6,10	
3	3,2	8,8	6,00	′ 1 0	15,85	9,85	
4	9,8	17,4	13,60		20,26	6,66	
5	50 0 21,3	27,2	24,25	°	24,66	0,41	
	45 0 0,0	3,6	1,80		1,99	—0,19	
1	57,9	3,2	0,55	″ 3,98	5,97	5,42	
2	0,4	6,5	3,45		9,96	6,51	
3	0,9	8,3	4,60	′ 1 0	13,94	9,34	
4	7,2	15,0	11,10		17,93	6,83	
5	50 0 18,6	24,4	21,50	°	21,91	0,41	
	50 0 0,0	6,7	3,35		3,76	—0,41	T. & B.
1	58,3	7,2	2,75	″ 4,53	8,29	5,54	
2	5,5	10,8	8,15		12,81	4,66	
3	5,5	12,2	8,85	′ 1 0	17,34	8,49	
4	11,1	19,0	15,05		21,86	6,81	
5	55 0 21,7	29,0	25,35	°	26,39	1,04	
	50 0 0,0	7,0	3,50		3,91	—0,41	
1	59,9	8,4	4,15	″ 4,40	8,31	4,16	
2	5,3	11,8	8,55		12,70	4,15	
3	5,2	12,8	9,00	′ 1 0	17,10	8,10	
4	10,4	18,4	14,40		21,49	7,09	
5	55 0 21,2	28,5	24,85	°	25,89	1,04	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	50 0 0,0	6,3	3,15		3,56	—0,41	T. & B.
1	58,5	8,0	3,25	′	7,53	4,28	
2	3,8	10,0	6,90	3,97	11,49	4,59	
3	4,2	10,6	7,40	′	15,46	8,06	
4	9,0	16,4	12,70	°	19,42	6,72	
5	55 0 18,5	26,2	22,35	1	23,39	1,04	
	50 0 0,0	5,8	2,90		3,31	—0,41	
1	57,1	6,3	1,70	″	7,35	5,65	
2	4,9	10,7	7,80	4,04	11,38	3,58	
3	4,9	12,0	8,45	′	15,42	6,97	
4	9,0	17,9	13,45	°	19,45	6,00	
5	55 18,6	26,3	22,45	1	23,49	1,04	
	50 0 0,0	6,9	3,45		3,86	—0,41	
1	59,3	7,7	3,50	″	8,48	4,98	
2	4,2	10,9	7,55	4,62	13,09	5,54	
3	6,3	12,9	9,60	′	17,71	8,11	
4	11,0	19,4	15,20	°	22,32	7,12	
5	55 22,3	29,5	25,90	1	26,94	1,04	
	55 0 0,0	7,3	3,65		4,69	—1,04	V. & S.
1	1,8	8,4	5,10	″	9,39	4,29	
2	6,3	13,0	9,65	4,70	14,09	4,44	
3	7,4	13,2	10,30	′	18,79	8,49	
4	13,9	20,3	17,10	°	23,50	6,40	
5	60 0 24,3	29,2	26,75	1	28,20	1,45	
	55 0 0,0	7,8	3,90		4,94	—1,04	
1	59,6	7,2	3,40		8,45	5,05	
2	3,9	10,0	6,95	″	11,96	5,01	
3	4,0	9,2	6,60	3,51	15,47	8,87	
4	7,9	14,2	11,05	′	18,99	7,94	
5	60 18,5	23,6	21,05	°	22,50	1,45	
	55 0 0,0	7,4	3,70	1	4,74	—1,04	
1	1,6	8,3	4,95		9,08	4,13	
2	7,2	12,1	9,65	″	13,42	3,77	
3	7,9	13,8	10,85	4,34	17,76	6,91	
4	12,0	17,3	14,65	′	22,11	7,46	
5	60 0 22,7	27,3	25,00	°	26,45	1,45	
	55 0 0,0	6,9	3,45	1	4,49	—1,04	
1	59,7	6,6	3,15		8,85	5,70	
2	4,0	10,2	7,10	″	13,21	6,11	
3	4,7	10,5	7,60	4,36	17,57	9,97	
4	12,3	18,8	15,50	′	21,94	6,44	
5	60 22,7	27,0	24,85	°	26,30	1,45	
	55 0 0,0	7,2	3,60	1	4,64	—1,04	
1	0,5	6,5	3,50		8,31	4,81	
2	3,7	9,8	6,75	″	11,98	5,23	
3	4,2	9,0	6,60	3,67	15,65	9,05	
4	9,6	14,8	12,20	′	19,33	7,13	
5	60 0 19,4	23,7	21,55	°	23,00	1,45	
	60 0 0,0	4,3	2,15	1	3,60	—1,45	T. & V.
1	0,1	4,0	2,05		8,52	6,47	
2	3,9	8,9	6,40	″	13,44	7,04	
3	7,3	12,3	9,80	4,92	18,36	8,56	
4	13,1	19,0	16,05	′	23,28	7,23	
5	65 23,8	29,5	26,65	°	28,20	1,55	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	60 0 0,0	3,8	1,90		3,35	—1,45	T. & V.
1	59,2	4,4	1,80	″	7,55	5,75	
2	3,2	9,4	6,30	4,20	11.75	5,45	
3	4,9	10,7	7,80	′	15,95	8,15	
4	9,9	16,0	12,95	°	20,15	7,20	
5	65 19,2	26,4	22,80	1	24,35	1,55	
	60 0 0,0	4,5	2,25		3,70	—1,45	
1	59,2	4,9	2,05	″	8,30	6,25	
2	3,9	9,3	6,60	4,60	12,90	6,30	
3	6,0	11,6	8,80	′	17,50	8,70	
4	11,3	18,0	14,65	°	22,10	7,45	
5	65 22,0	28,3	25,15	1	26,70	1,55	
	60 0 0,0	4,0	2,00		3,45	—1,45	
1	0,5	6,1	3,30	″	8,06	4,76	
2	4,8	9,9	7,35	4,61	12,67	5,32	
3	6,1	12,4	9,25	′	17,28	8,03	
4	12,0	18,1	15,05	°	21,89	6,84	
5	65 0 22,0	27,9	24,95	1	26,50	1,55	
	60 0 0,0	4,6	2,30		3,75	—1,45	
1	59,7	5,4	2,55	″	8,26	5,71	
2	3,8	8,5	6,15	4,51	12,77	6,62	
3	7,3	12,1	9,70	′	17,28	7,58	
4	11,3	17,7	14,50	°	21,79	7,29	
5	65 21,8	27,7	24,75	1	26,30	1,55	
	65 0 0,0	6,7	3,35		4,90	—1,55	
1	58,9	10,7	4,80	″	9,66	4,86	
2	3,9	12,4	8,15	4,76	14,42	6,27	
3	5,9	14,4	10,15	′	19,17	9,02	
4	11,1	19,2	15,15	°	23,93	8,78	
5	70 0 24,2	29,4	26,80	1	28,69	1,89	
	65 0 0,0	7,4	3,70		5,25	—1,55	
1	57,5	9,5	3,50		10,40	6,90	
2	3,9	14,0	8,95	″	15,55	6,60	
3	6,7	15,8	11,25	5,15	20,69	9,44	
4	14,8	21,7	18,25	′	25,84	7,59	
5	70 0 27,2	31,0	29,10	°	30,99	1,89	
	65 0 0,0	7,3	3,65	1	5,20	—1,55	
1	57,8	9,1	3,45		10,63	7,18	
2	4,4	12,6	8,50	″	16,06	7,56	
3	6,8	15,7	11,25	5,43	21,48	10,23	
4	15,7	23,4	19,55	′	26,91	7,36	
5	70 0 28,8	32,1	30,45	°	32,34	1,89	
	65 0 0,0	7,5	3,75	1	5,30	—1,55	
1	57,8	9,8	3,80		10,53	6,73	
2	4,0	12,1	8,05	″	15,76	7,71	
3	6,0	15,1	10,55	5,23	20,98	10,43	
4	14,4	21,4	17,90	′	26,21	8,31	
5	70 0 27,3	31,8	29,55	°	31,44	1,89	
	65 0 0,0	7,9	3,95	1	5,50	—1,55	
1	59,7	9,9	4,80		11,21	6,41	
2	6,2	14,9	10,55	″	16,92	6,37	
3	9,0	17,8	13,40	5,71	22,62	9,22	
4	17,2	24,1	20,65	′	28,33	7,68	
5	70 0 30,6	33,7	32,15	°	34,04	1,89	

Error of Division of each degree of the Madras Mural Circle.

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div	Observer.
	° ′ ″	″	″		″	″	
	70 0 0,0	4,6	2,30		4,19	— 1,89	T. & S.
1	1,1	6,9	4,00	″	9,52	5,52	
2	7,8	11,4	9,60	5.33	14.85	5,25	
3	8,6	14,7	11,65	′	20,18	8,53	
4	14,7	20,0	17.35	°	25,51	8,16	
5	75 0 27,9	31,7	29,80	1	30,84	1,04	
	70 0 0,0	5,9	2,95		4,84	— 1,89	
1	0,8	7,3	4,05	″	10,22	6,17	
2	7,2	11,7	9.45	5,38	15,60	6,15	
3	8,2	14.4	11,30	′	20.98	9,68	
4	15,2	20,7	17,95	°	26,36	8.41	
5	75 0 28,2	33,2	30,70	1	31,74	1,04	
	70 0 0,0	6,9	3,45		5,34	— 1,89	
1	1,9	8,7	5,30	″	10,28	4,98	
4	6,8	11,3	9,05	4,94	15,22	6,17	
3	8,8	14,8	11,80	′	20;16	8.36	
4	14,5	19,3	16,90	°	25,10	8,20	
5	75 0 26,8	31,2	29,00	1	30,04	1,04	
	70 0 0,0	7,1	3,55		5,44	— 1,89	
1	1,7	8,2	4,95	″	10,77	5.82	
2	7,3	11,7	9,50	5,33	16,10	6,60	
3	8,2	14,1	11,15	′	21,43	10,28	
4	16,1	21,9	19,00	°	26,76	7,76	
5	75 0 28,2	33,9	31,05	1	32,09	1,04	
	70 0 0,0	5,0	2,50		4,39	— 1,89	
1	1,9	8,0	4,95	″	9,84	4,89	
2	7,8	12,0	9,90	5,45	15,29	5,39	
3	9,2	14,5	11,85	′	20,74	8,89	
4	15,0	20,7	17,85	°	26,19	8,34	
5	75 0 28,1	33,1	30,60	1	31,64	1,04	
	75 0 0,0	6,1	3.05		4,09	— 1,04	V.&S.
1	0,0	8,0	4,00	″	9,40	5,40	
2	5,2	12,4	8,80	5.31	14,71	5,91	
3	8,2	14,2	11,20	′	20,03	8,83	
4	14,6	22,3	18,45	°	25.34	6,89	
5	80 26,9	33,6	30,25	1	30,65	0,40	
	75 0 0,0	6,4	3,20		4,24	— 1,04	
1	0,8	8,4	4,60	″	9,69	5,09	
2	5,0	11,9	8,45	5,45	15,14	6,69	
3	8,2	13,5	10,85	′	20,60	9,75	
4	15,2	21,4	18,30	°	26,05	7,75	
5	80 0 27,7	34,5	31,10	1	31,50	0,40	
	75 0 0,0	5,7	2,85		3,89	— 1.04	
1	2,1	9,2	5,65	″	9,68	4.03	
2	6,7	13,4	10,05	5.79	15,47	5,42	
3	10,3	17,0	13,65	′	21,27	7.62	
4	18,1	24,4	21,25	°	27,06	5,81	
5	80 0 28,9	36,0	32,45	1	32,85	0,40	
	75 0 0,0	5,4	2,70		3,74	— 1,04	
1	0,3	7,7	4,00	″	9,19	5.19	
2	5,0	12,2	8,60	5,45	14,64	6,04	
3	8,7	15,3	12,00	′	20,10	8,10	
4	15,2	21,8	18,50	°	25,55	7,05	
5	80 0 26,8	34,4	30,60	1	31,00	0,40	

No.	Reading at Micros.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff or err. div.	Observer.
	° ′ ″	″	″		″	″	
	75 0 0 0	4,3	2,15		3,19	—1,04	V.&S.
1	59,1	6,3	2,70	″	8,88	6,18	
2	5,2	12,1	8,65	5,69	14,57	5,92	
3	8,3	15,2	11,75	′	20,27	8,52	
3	15,8	22,1	18,95	°	25.96	7,01	
5	80 0 27,9	34,6	31,25	1	31,65	0,40	
	80 0 0,0	7,8	3,90		4,30	—0.40	T.&B.
1	58,7	7,1	2,90	″	9,56	6,66	
2	6,9	12,4	9,65	5,26	14,82	5,17	
3	7,9	15,7	11,80	′	20,08	8,28	
4	14,7	21,0	17,85	°	25,35	7,50	
5	85 28,1	32,5	30,30	1	30,61	0,31	
	80 0 0,0	8,5	4,25		4,65	—0,40	
1	2,5	9,5	6,00	″	10,52	4,52	
2	8,8	14,2	11,50	5,87	16,39	4,89	
3	10,1	17,4	13,75	′	22,27	8,52	
4	18,3	25,1	21.70	°	28,14	6,44	
5	85 0 31,4	36,0	33,70	1	34,01	0,31	
	80 0 0,0	8,0	4.00		4,40	—0.40	
1	2,7	9,3	6,00	″	9,94	3,94	
2	8,2	13,8	11.00	5,54	15,48	4,48	
3	9,8	17,3	13,55	′	21,03	7,48	
4	16,0	23,2	19,60	°	26,57	6,97	
5	85 0 29,3	34,3	31,80	1	32,11	0,31	
	80 0 0,0	8,4	4,20		4,60	—0,40	
1	1,2	7,6	4,40	″	9,65	5,25	
2	6,4	12,7	9.55	5,05	14.70	5,15	
3	7,7	15,3	11,50	′	19,76	8,26	
4	13,9	21,0	17.45	°	24.81	7,36	
5	85 0 26,3	32,8	29,55	1	29,86	0,31	
	80 0 0,0	8,2	4,10		4,50	—0,40	
1	0,9	9,0	4.95	″	9,58	4.63	
2	6,8	13,1	9,95	5,08	14,66	4,71	
3	7,7	15.0	11.35	′	19,74	8,39	
4	14,1	21,3	17 70	°	24,83	7,13	
5	85 0 26,8	32,4	29,60	1	29,91	0,31	
	85 0 0,0	6,5	3,25		3,56	—0,31	
1	0,8	7,4	4,10	″	8,49	4,39	
2	5,7	11,0	8,35	4,93	13,43	5,08	
3	7,0	15,1	11,05	′	18.36	7,31	
4	14,2	20,4	17,30	°	23,30	6,00	
5	90 0 25,2	30,0	27,60	1	28,23	0,63	
	85 0 0,0	5,4	2,70		3,01	—0,31	
1	1,8	8,2	5,00	″	8,12	3,12	
2	6,2	11,1	8,65	5,11	13,24	4,59	
3	8,2	14,9	11,55	′	18,35	6,80	
4	13,2	20,0	16,60	°	23,47	6.87	
5	90 0 25,2	30,7	27,95	1	28,58	0,63	
	85 0 0,0	5,7	2,85		3,16	—0,31	
1	1,0	7,0	4,00	″	7,94	3,94	
2	5,2	11,1	8,15	4,78	12,73	4,58	
3	6,2	13,4	9,80	′	17,51	7,71	
4	11,2	17,8	14,50	°	22,30	7,80	
5	90 0 23,9	29,0	26,45	1	27,08	0,63	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div	Observer.
	° ′ ″	″	″		″	″	
	85 0 0,0	6,3	3,15		3,46	—0,31	T. & B.
1	1,6	8,3	4,95	″ 5,00	8,46	3,51	
2	6.6	12,0	9,30		13,47	4,17	
3	6,2	14,0	10,10	′ 0	18,47	8,37	
4	11,8	19,5	15,65	° 1	23,48	7,83	
5	90 0 25,3	30,4	27,85		28,48	0,63	
	85 0 0,0	6,1	3,05		3,36	—0,31	
1	0,0	6,4	3,20	″ 4,97	8,33	5,13	
2	5,4	11,2	8,30		13,31	5,01	
3	6,9	12,9	9,90	′ 0	18,28	8,38	
4	13,2	19,3	16,25	° 1	23,26	7,01	
5	90 0 25,2	30,0	27,60		28,23	0,63	
	90 0 0,0	6,9	3,45		4,08	—0,63	
1	2,0	8,4	5,20	″ 5,27	9,35	4,15	
4	6.9	12,9	9,90		14,62	4,72	
3	8,7	15,5	12,10	′ 0	19,90	7,80	
4	15,0	21,5	18,25	° 1	25,18	6,93	
5	95 0 28,2	31,8	30,00		30,45	0,45	
	90 0 0,0	6,5	3,25		3,88	—0,63	
1	1,9	7,5	4,70	″ 5,47	9,35	4,65	
2	6.0	11,6	8,80		14,82	6,02	
3	7,7	14,0	10,85	′ 0	20,30	9,45	
4	14,6	20,7	17,65	° 1	25 78	8,13	
5	95 0 29,0	32,6	30,80		31,25	0,45	
	90 0 0,0	6,1	3,05		3,68	—0.63	
1	0,8	7,8	4,30	″ 5,37	9,05	4,75	
2	6,2	12,8	9,50		14,42	4,92	
3	7,1	14,3	10,70	′ 0	19,80	9,10	
4	13,7	20,6	17,15	° 1	25,18	8,03	
5	95 0 27,8	32,4	30,10		30,55	0,45	
	90 0 0,0	7,5	3,75		4,38	—0,63	
1	1,2	7,1	4,15	″ 5,21	9,59	5,44	
2	4,6	11,4	8,00		14,81	6,81	
3	6.7	13,6	10,15	′ 0	20,02	9,87	
4	13,7	20,1	16,90	° 1	25,24	8,34	
5	95 0 28,9	31,1	30,00		30,45	0,45	
	90 0 0,0	6,7	3,35		3,98	—0,63	
1	1,9	8,5	5,20	″ 5.16	9,14	3,94	
2	4,9	12,1	8,50		14,31	5,81	
3	6,9	13.8	10,35	′ 0	19,47	9,12	
4	15,2	20,7	17,95	° 1	24,64	6,69	
5	95 0 27,7	31,0	29,35		29,80	0,45	
	95 0 0,0	4,5	2,25		2,70	—0,45	S. & V.
1	1,2	6,4	3,80	″ 5.44	8,14	4,34	
2	5,7	11,4	8,55		13,58	5,03	
3	8,2	14,9	11,55	′ 0	19,02	7,47	
4	16,2	22,3	19,25	° 1	24,46	5,21	
5	100 0 26,7	31,4	29,05		29,90	0,85	
	95 0 0,0	4,4	2,20		2,65	—0.45	
1	1,3	6,8	4,05	″ 5,38	8,03	3,98	
2	6,7	11,3	9,00		13,41	4,41	
3	8,1	13,9	11,00	′ 0	18,79	7,79	
4	14,8	20,0	17,40	° 1	24,17	6,77	
5	100 0 26,2	31,2	28,70		29,55	0,85	

No.	Reading at Micros.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff or err. div.	Observer.
	° ′ ″	″	″		″	″	
	95 0 0,0	3,8	1,90		2,35	—0,45	
1	0,7	6,3	3,50	″ 5,04	7,39	3,89	
2	4,1	11,4	7,75		12,43	4,68	
3	6.2	11,4	8,80	′ 0	17,47	8,67	
4	12.8	17,5	15,15	° 1	22,51	7,36	
5	100 0 25,0	28,4	26,70		27,55	0,85	
	95 0 0,0	2,8	1,40		1,85	—0.45	T.&B.
1	58,9	5,0	1,95	″ 5,67	7,52	5,57	
2	6,5	10,4	8,45		13,19	4,74	
3	9,8	15,7	12,75	′ 0	18,86	6,11	
4	17,8	23,5	20,65	° 1	24,53	3,88	
5	100 0 26,7	32,0	29,35		30,20	0,85	
	95 0 0,0	3,8	1,90		2,35	—0,45	
1	2,8	7,1	4,95	″ 5,82	8,17	3,42	
2	8,8	13,6	11,20		13.99	2,79	
3	10,5	15,9	13,20	′ 0	19,81	6,61	
4	17,3	22,0	19,65	° 1	25,63	5,98	
5	100 0 28,9	32,3	30,60		31,45	0,85	
	100 0 0,0	6,6	3.30		4,15	—0,85	
1	1.9	8,0	4.95	″ 5,83	9,98	5,03	
2	6,3	13,5	9,90		15,81	5,91	
3	8,4	16,5	12,45	′ 0	21,65	9,20	
4	14,9	26,0	20,45	° 1	27,48	7,03	
5	105 0 28,0	37,2	32,60		33,31	0,71	
*	100 0 0,0	5.4	2,70		3,55	—0,85	
1	57,5	6,0	1,75	″ 2,65	6,20	4,45	
2	0,8	6,9	3,85		8,85	5,00	
3	0,0	5,5	2,75	′ 0	11,51	8,76	
4	2,0	11,3	6,65	° 1	14,16	7,51	
5	105 0 11,8	20,4	16,10		16,81	0,71	
	100 0 0,0	4,0	2,00		2,85	—0,85	
1	58,2	3,0	0,60	″ 2,67	5,52	4,92	
2	0,8	5,1	2.95		8,19	5,24	
3	0,0	4,5	2,25	′ 0	10,86	8,61	
4	2,4	9,0	5,70	° 1	13,54	7,84	
5	105 0 13,0	18,0	15,50		16,21	0,71	
	100 0 0,0	6,1	3.05		3,90	—0,85	
1	58,3	4,2	1,25	″ 3,19	7,09	5.84	
2	0,8	6.0	3,40		10,28	6.88	
3	59,5	6,8	3,15	′ 0	13,48	10,33	
4	4,2	10,1	7,15	° 1	16,67	9,52	
5	105 0 16,3	22,0	19,15		19,86	0,71	
*	100 0 0,0	8,4	4,20		5,05	—0,85	T.&S.
1	58,9	6,4	2,65	″ 0,72	5,77	3,12	
2	59,2	5,5	2,35		6,49	4,14	
3	55,0	1,7	58,35	′ 0	7,22	8,87	
4	56,7	5,0	0,85	° 1	7,94	7,09	
5	105 0 5,2	10,7	7,95		8,66	0,71	
	105 0 0,0	5,0	2,50		3,21	—0,71	
1	55,3	2,2	58,75	″ 0,64	3,85	5,10	
2	55,2	4,0	59,60		4,49	4,89	
3	52,2	1,2	56,70	′ 0	5,12	8,42	
4	53,2	2,0	57,60	° 1	5,76	8,16	
5	110 0 1,7	9,3	5,50		6,40	0,90	

* I diminished the angle.

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	105 0 0,0	5,2	2,60		3,31	—0,71	T. & S.
1	55,3	2,0	58,65	″ 0,91	4,22	5,57	
2	55,8	1,4	58,60		5,13	6,53	
3	53,2	2,0	57,60	′ 1 0	6,03	8,43	
4	56,7	3,2	59,95		6,94	6,99	
5	110 0 2,9	11,0	6,95	°	7,85	0,90	
	105 0 0,0	5,5	2,75		3,46	—0,71	
1	54,2	3,6	58,90	″ 1,11	4,57	5,67	
2	55,0	3,2	59,10		5,68	6,58	
3	54,3	2,0	58,15	′ 1 0	6,78	8,63	
4	56,8	4,5	0,65		7,89	7,24	
5	110 0 4,7	11,5	8,10	°	9,00	0,90	
	105 0 0,0	5,0	2,50		3,21	—0,71	
1	54,2	2,0	58,10	″ 0,76	3,97	5,87	
2	55,6	3,2	59,40		4,73	5,33	
3	52,9	0,3	56,60	′ 1 0	5,48	8,88	
4	54,7	2,6	58,65		6,24	7,59	
5	110 0 2,2	10,0	6,10	°	7,00	0,90	
	105 0 0,0	3,8	1,90		2,61	—0,71	
1	54,7	59,4	57,05	″ 1,17	3,78	6,73	
2	56,7	0,9	58,80		4,95	6,15	
3	54,2	0,9	57,55	′ 1 0	6,11	8,56	
4	56,9	2,2	59,55		7,28	7,73	
5	110 0 4,9	10,2	7,55	°	8,45	0,90	
	110 0 0,0	8,2	4,10		5,00	—0,90	
1	55,4	3,0	59,20	″ 0,96	5,96	6,76	
2	56,7	2,6	59,65		6,92	7,27	
3	54,7	2,0	58,35	′ 1 0	7,87	9,52	
4	58,7	2,4	0,55		8,83	8,28	
5	115 0 5,8	10,4	8,10	°	9,79	1,69	
	110 0 0,0	6,5	3,25		4,15	—0,90	V. & S.
1	57,0	3,1	0,05	″ 1,48	5,63	5,58	
2	57,8	3,0	0,40		7,11	6,71	
3	55,0	1,2	58,10	′ 1 0	8,58	10,48	
4	56,9	3,5	0,20		10,06	9,86	
5	115 0 6,7	13,0	9,85	°	11,54	1,69	
	110 0 0,0	7,0	3,50		4,40	—0,90	
1	57,3	3,1	0,20	″ 1,53	5,93	5,73	
2	58,8	4,8	1,80		7,46	5,66	
3	55,7	2,4	59,05	′ 1 0	8,98	9,93	
4	58,8	5,0	1,90		10,51	8,61	
5	115 0 7,7	13,0	10,35	°	12,04	1,69	
	110 0 0,0	7,1	3,55		4,45	—0,90	
1	57,2	4,2	0,70	″ 1,80	6,25	5,55	
2	59,0	4,4	1,70		8,05	6,35	
3	55,2	2,3	58,75	′ 1 0	9,84	11,09	
4	0,0	5,4	2,70		11,64	8,94	
5	115 0 9,3	14,2	11,75	°	13,44	1,69	
	110 0 0,0	6,3	3,15		4,05	—0,90	
1	56,7	4,0	0,35	″ 1,56	5,61	5,26	
2	59,7	4,0	1,85		7,17	5,32	
3	55,0	2,9	58,95	′ 1 0	8,72	9,77	
4	58,2	4,4	1,30		10,28	8,98	
5	115 0 8,2	12,1	10,15	°	11,84	1,69	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	115 0 0,0	5,4	2,70		4,39	—1,69	T. & S.
1	1,7	4,7	3,20	″ 1,81	6,20	3,00	
2	2,0	4,7	3,35		8,01	4,66	
3	57,9	2,6	0,25	′ 1 0	9,82	9,57	
4	59,8	6,8	3,30		11 64	8,34	
5	120 0 9,9	14,0	11,95	°	13,45	1,50	
	115 0 0,0	6,2	3,10		4,79	—1,69	
1	59,1	3,0	1,05	″ 1,91	6,70	5,65	
2	1,7	4,2	2,95		8,61	5,66	
3	56,9	3,5	0,20	′ 1 0	10,52	10,32	
4	1,7	7,0	4,35		12,44	8,09	
5	120 0 11,7	14,0	12,85	°	14,35	1,50	
	115 0 0,0	5,1	2,55		4,24	—1,69	
1	59,3	3,1	1,20	″ 1,99	6,23	5,03	
2	1,0	3,7	2,35		8,22	5,87	
3	56,7	4,0	0,35	′ 1 0	10,22	9,87	
4	2,8	7,6	5,20		12,21	7,01	
5	120 0 10,5	14,9	12,70	°	14,20	1,50	
	115 0 0,0	6,9	3,45		5,14	—1,69	B. & S.
1	0,2	4,4	2,30	″ 1,94	7,08	4,78	
2	1,1	5,3	3,20		9,02	5,82	
3	57,9	3,7	0,80	′ 1 0	10,97	10,17	
4	1,2	8,3	4,75		12,91	8,16	
5	120 0 10,0	16,7	13,35	°	14,85	1,50	
	115 0 0,0	6,0	3,00		4,69	—1,69	
1	0,0	3,7	1,85	″ 2,25	6,94	5,09	
2	1,2	4,8	3,00		9,19	6,19	
3	59,2	5,2	2,20	′ 1 0	11,44	9,24	
4	0,7	8,4	4,55		13,70	9,15	
5	120 0 11,8	17,1	14,45	°	15,95	1,50	
	120 0 0,0	4,5	2,25		3,75	—1,50	
1	59,8	3,8	1,80	″ 2,37	6,12	4,32	
2	0,8	5,7	3,25		8,49	5,24	
3	59,7	4,1	1,90	′ 1 0	10,86	8,96	
4	3,0	8,0	5,50		13,23	7,73	
5	125 0 12,9	16,8	14,85	°	15,61	0,76	
	120 0 0,0	3,9	1,95		3,45	—1,50	
1	0,2	4,4	2,30	″ 3,02	6,47	4,17	
2	1,7	7,0	4,35		9,49	5,14	
3	2,2	6,4	4,30	′ 1 0	12,52	8,22	
4	4,8	10,0	7,40		15,54	8,14	
5	125 0 15,7	19,9	17,80	°	18,56	0,76	
	120 0 0,0	4,8	2,40		3,90	—1,50	
1	0,3	4,8	2,55	″ 2,68	6,58	4,03	
2	1,7	5,8	3,75		9,26	5,51	
3	0,4	4,2	2,30	′ 1 0	11,95	9,65	
4	4,7	8,8	6,75		14,63	7,88	
5	125 0 14,3	18,8	16,55	°	17,31	0,76	
	120 0 0,0	4,5	2,25		3,75	—1,50	
1	0,2	5,3	2,75	″ 2,93	6,68	3,93	
2	2,4	7,1	4,75		9,61	4,86	
3	2,2	6,0	4,10	′ 1 0	12,55	8,45	
4	6,2	10,4	8,30		15,48	7,18	
5	125 0 15,2	20,1	17,65	°	18,41	0,76	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	120 0 0,0	3,9	1,95		3,45	—1,50	B & S
1	0,3	4,2	2,25	° ′ ″ 1 0 3,52	6,97	4,72	
2	2,8	6,3	4,55		10,49	5,94	
3	1,9	7,9	4,90		14,02	9,12	
4	8,4	12,2	10,30		17,54	7,24	
5	125 0 18,6	22,0	20,30		21,06	0,76	
	125 0 0,0	4,7	2,35		3,11	—0,76	
1	58,7	3,6	1,15	° ′ ″ 1 0 3,14	6,25	5,10	
2	2,7	7,3	5,00		9,40	4,40	
3	2,2	7,9	5,05		12,54	7,49	
4	6,0	11,8	8,90		15,68	6,78	
5	130 0 16,3	19,7	18,00		18,83	0,83	
	125 0 0,0	4,2	2,10		2,86	—0,76	
1	58,2	3,8	1,00	° ′ ″ 1 0 3,08	5,94	4,94	
2	2,1	6,4	4,25		9,03	4,78	
3	2,2	8,0	5,10		12,11	7,01	
4	5,3	11,4	8,35		15,20	6,85	
5	130 0 15,7	19,2	17,45		18,28	0,83	
	125 0 0,0	5,1	2,55		3,31	—0,76	T. & B
1	59,2	4,2	1,70	° ′ ″ 1 0 3,39	6,70	5,00	
2	2,8	8,2	5,50		10,10	4,60	
3	3,7	9,1	6,40		13,49	7,09	
4	8,3	13,8	11,05		16,89	5,84	
5	130 0 17,7	21,2	19,45		20,28	0,83	
	125 0 0,0	3,8	1,90		2,66	—0,76	
1	59,0	2,7	0,85	° ′ ″ 1 0 3,74	6,40	5,55	
2	2,2	7,7	4,95		10,15	5,20	
3	3,1	9,0	6,05		13,89	7,84	
4	8,9	13,9	11,40		17,64	6,24	
5	130 0 19,0	22,1	20,55		21,38	0,83	
	125 0 0,0	4,0	2,00		2,76	—0,76	
1	59,7	3,9	1,80	° ′ ″ 1 0 3,73	6,49	4,69	
2	3,7	8,9	6,30		10,23	3,93	
3	4,0	10,1	7,05		13,96	6,91	
4	9,2	14,4	11,80		17,70	5,90	
5	130 0 18,2	23,0	20,60		21,43	0,83	
	130 0 0,0	4,6	2,30		3,13	—0,83	
1	0,1	2,1	1,10	° ′ ″ 1 0 3,73	6,86	5,76	
2	3,9	7,0	5,45		10,58	5,13	
3	3,8	5,9	4,85		14,31	9,46	
4	9,2	12,0	10,60		18,03	7,43	
5	135 0 17,7	22,7	20,20		21,76	1,56	
	130 0 0,0	4,3	2,15		2,98	—0,83	
1	1,1	1,1	1,10	° ′ ″ 1 0 3,82	6,80	5,70	
2	4,2	7,9	6,05		10,61	4,56	
3	4,9	8,1	6,50		14,43	7,93	
4	10,2	13,5	11,85		18,24	6,39	
5	135 0 18,7	22,3	20,50		22,06	1,56	
	130 0 0,0	4,5	2,25		3,08	—0,83	
1	59,8	1,1	0,45	° ′ ″ 1 0 3,52	6,60	6,15	
2	2,6	5,9	4,25		10,11	5,86	
3	1,6	6,3	3,95		13,63	9,68	
4	6,8	11,0	8,90		17,14	8,24	
5	135 0 16,9	21,3	19,10		20,66	1,56	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	130 0 0,0	5,4	2,70		3,53	—0,83	T. & B.
1	3,2	4,0	3,60	° ′ ″ 1 0 4,14	7,67	4,07	
2	2,7	6,1	4,40		11,80	7,40	
3	5,1	8,1	6,60		15,94	9,34	
4	11,7	14,8	13,25		20,07	6,82	
5	135 0 20,7	24,6	22,65		24,21	1,56	
	130 0 0,0	4,0	2,00		2,83	—0,83	
1	0,7	2,0	1,35	° ′ ″ 1 0 3,82	6,65	5,30	
2	2,2	5,3	3,75		10,46	6,71	
3	2,8	7,0	4,90		14,28	9,38	
4	8,2	11,7	9,95		18,09	8,14	
5	135 0 18,3	22,4	20,35		21,91	1,56	
	135 0 0,0	4,2	2,10		3,66	—1,56	
1	0,9	2,0	1,45	° ′ ″ 1 0 4,39	8,05	6,60	
2	4,5	6,7	5,60		12,45	6,85	
3	6,3	8,8	7,55		16,84	9,29	
4	11,3	13,0	12,15		21,24	9,09	
5	140 0 22,8	25,0	23,90		25,63	1,73	
	135 0 0,0	5,0	2,50		4,06	—1,56	
1	1,0	4,5	2,75	° ′ ″ 1 0 4,18	8,24	5,49	
2	5,1	6,3	5,70		12,43	6,73	
3	5,8	8,9	7,35		16,61	9,26	
4	12,1	14,1	13,10		20,80	7,70	
5	140 0 21,7	24,8	23,25		24,98	1,73	
	135 0 0,0	6,0	3,00		4,56	—1,56	
1	3,3	4,1	3,70	° ′ ″ 1 0 4,62	9,18	5,48	
2	5,1	8,4	6,75		13,81	7,06	
3	7,2	8,9	8,05		18,43	10,38	
4	13,8	16,0	14,90		23,06	8,16	
5	140 0 24,0	27,9	25,95		27,68	1,73	
	135 0 0,0	5,0	2,50		4,06	—1,56	
1	1,2	4,3	2,75	° ′ ″ 1 0 4,17	8,23	5,48	
2	3,9	6,4	5,15		12,41	7,26	
3	5,8	8,2	7,00		16,58	9,58	
4	12,2	14,8	13,50		20,76	7,26	
5	140 0 21,0	25,4	23,20		24,93	1,73	
	135 0 0,0	4,8	2,40		3,96	—1,56	
1	1,0	3,3	2,15	° ′ ″ 1 0 4,00	7,96	5,81	
2	4,2	6,0	5,10		11,97	6,87	
3	4,3	7,5	5,90		15,97	10,07	
4	10,1	13,3	11,70		19,98	8,28	
5	140 0 20,5	24,0	22,25		23,98	1,73	
	140 0 0,0	4,6	2,30		4,03	—1,73	B. & S.
1	58,7	5,1	1,90	° ′ ″ 1 0 3,02	7,05	5,15	
2	1,3	7,9	4,60		10,08	54,8	
3	2,1	8,0	5,05		13,10	8,05	
4	6,3	13,7	10,00		16,13	6,13	
5	145 0 15,0	21,0	18,00		19,15	1,15	
	140 0 0,0	5,1	2,55		4,28	—1,73	
1	59,7	5,1	2,40	° ′ ″ 1 0 2,94	7,22	4,82	
2	0,9	7,6	4,25		10,17	5,92	
3	1,3	7,4	4,35		13,11	8,76	
4	6,3	12,5	9,40		16,06	6,66	
5	145 0 15,2	20,5	17,85		19,00	1,15	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	140 0 0,0	4,5	2,25		3,98	—1,73	B. & S.
1	58,3	3,1	0,70	″	6,86	6,16	
2	0,7	6,9	3,80	2,88	9,75	5,95	
3	1,1	8,0	4,55	′	12,63	8,08	
4	6,2	13,3	9,25	1 0	15,52	6,27	
5	145 0 14,8	19,7	17,25	°	18,40	1,15	
	140 0 0,0	4,5	2,25		3,98	—1,73	T. & S.
1	59,7	5,8	2,75	″	7,43	4,68	
2	0,0	8,4	4,20	3,45	10,89	6,69	
3	1,5	8,5	5,00	′	14,34	9,34	
4	8,8	15,1	11,95	1 0	17,80	5,85	
5	145 0 17,9	22,3	20,10	°	21,25	1,15	
	140 0 0,0	5,2	2,60		4,33	—1,73	
1	0,8	6,3	3,55	″	8,64	5,09	
2	3,7	10,3	7,00	4,31	12,96	5,96	
3	6,0	12,0	9,00	′	17,27	8,27	
4	11,4	18,2	14,80	1 0	21,58	6,78	
5	145 0 22,0	27,5	24,75	°	25,90	1,15	
	145 0 0,0	6,0	3,00		4,15	—1,15	
1	59,8	5,6	2,70	″	7,55	4,85	
2	3,0	6,9	4,95	3,40	10,96	6,01	
3	4,0	7,7	5,85	′	14,36	8,51	
4	7,3	11,7	9,50	1 0	17,77	8,27	
5	150 0 17,3	20,9	19,10	°	21,17	2,07	
	145 0 0,0	5,7	2,85		4,00	—1,15	
1	0,0	4,4	2,20	″	7,45	5,25	
2	4,2	8,0	6,10	3,45	10,91	4,81	
3	3,1	7,9	5,50	′	14,36	8,86	
4	7,1	12,5	9,80	1 0	17,82	8,02	
5	150 0 18,0	20,4	19,20	°	21,27	2,07	
	145 0 0,0	3,3	1,65		2,80	—1,15	
1	59,3	4,4	1,85	″	6,17	4,32	
2	1,7	6,3	4,00	3,37	9,55	5,55	
3	1,7	6,4	4,05	′	12,92	8,87	
4	6,7	11,7	9,20	1 0	16,30	7,10	
5	150 0 16,2	19,0	17,60	°	19,67	2,07	
	145 0 0,0	5,7	2,85		4,00	—1,15	
1	0,7	4,8	2,75	″	7,33	4,58	
2	3,9	7,9	5,90	3,33	10,66	4,76	
3	6,2	9,9	8,05	′	14,00	5,95	
4	10,7	14,4	12,55	1 0	17,33	4,78	
5	150 0 17,3	19,9	18,60	°	20,67	2,07	
	145 0 0,0	5,5	2,75		3,90	—1,15	
1	59,3	4,3	1,80	″	7,30	5,50	
2	3,0	6,7	4,85	3,40	10,71	5,86	
3	3,2	7,3	5,25	′	14,11	8,86	
4	8,2	12,6	10,40	1 0	17,52	7,12	
5	150 0 17,7	20,0	18,85	°	20,92	2,07	
	150 0 0,0	4,8	2,40		4,47	—2,07	
1	0,8	4,4	2,60	″	7,80	5,20	
2	3,7	6,4	5,05	3,33	11,14	6,09	
3	3,7	7,4	5,55	′	14,47	8,92	
4	6,2	10,4	8,30	1 0	17,80	9,50	
5	155 0 18,1	22,1	20,10	°	21,13	1,03	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	150 0 0,0	3,4	1,70		3,77	—2,07	T. & S.
1	1,7	5,5	3,60	″	7,08	3,48	
2	3,8	8,0	5,90	3,31	10,40	4,90	
3	7,3	4,0	5,65	′	13,71	8,06	
4	7,6	11,0	9,30	1 0	17,02	7,72	
5	155 0 17,3	21,3	19,30	°	20,33	1,03	
	150 0 0,0	3,6	1,80		3,87	—2,07	
1	59,7	4,7	2,20	″	7,53	5,33	
2	1,2	6,4	3,80	3,66	11,19	7,39	
3	4,0	6,8	5,40	′	14,85	9,45	
4	8,2	11,4	9,80	1 0	18,52	8,72	
5	155 0 19,2	23,1	21,15	°	22,18	1,03	
	150 0 0,0	3,9	1,95		4,02	—2,07	
1	59,3	4,5	1,90	″	7,56	5,66	
2	2,3	6,6	4,45	3,54	11,10	6,65	
3	3,1	6,7	4,90	′	14,65	9,75	
4	7,3	11,4	9,35	1 0	18,19	8,84	
5	155 0 18,7	22,7	20,70	°	21,73	1,03	
	150 0 0,0	3,5	1,75		3,82	—2,07	
1	59,2	4,3	1,75	″	7,41	5,66	
2	1,2	7,0	4,10	3,59	11,00	6,90	
3	3,0	5,8	4,40	′	14,60	10,20	
4	7,8	11,8	9,80	1 0	18,29	8,49	
5	155 0 19,2	22,3	20,75	°	21,78	1,03	
	155 0 0,0	3,4	1,70		2,73	—1,03	T. & V.
1	58,4	3,0	0,70	″	5,38	4,68	
2	59,1	4,1	1,60	2,65	8,03	6,43	
3	59,4	5,1	2,25	′	10,69	8,44	
4	4,2	7,0	5,60	1 0	13,34	7,74	
5	160 0 12,0	18,0	15,00	°	15,99	0,99	
	155 0 0,0	4,1	2,05		3,08	—1,03	
1	58,5	2,0	0,25	″	5,84	5,59	
2	0,0	3,5	1,75	2,76	8,60	6,85	
3	0,3	5,5	2,90	′	11,36	8,46	
4	4,2	8,1	6,15	1 0	14,13	7,98	
5	160 0 12,9	18,9	15,90	°	16,89	0,99	
	155 0 0,0	4,5	2,25		3,28	—1,03	
1	58,7	3,2	0,95	″	6,21	5,26	
2	0,0	5,0	2,50	2,93	9,14	6,64	
3	1,0	6,2	3,60	′	12,08	8,48	
4	5,4	9,0	7,20	1 0	15,01	7,81	
5	160 0 13,3	20,6	16,95	°	17,94	0,99	
	155 0 0,0	3,8	1,90		2,93	—1,03	
1	58,3	1,8	0,05	″	5,57	5,52	
2	59,7	4,8	2,25	2,64	8,21	5,96	
3	0,6	6,4	3,50	′	10,85	7,35	
4	4,4	8,2	6,30	1 0	13,50	7,20	
5	160 0 11,9	18,4	15,15	°	16,14	0,99	
	155 0 0,0	5,5	2,75		3,78	—1,03	
1	58,6	3,2	0,90	″	6,29	5,39	
2	59,0	5,3	2,15	2,51	8,81	6,66	
3	59,4	5,5	2,45	′	11,32	8,87	
4	4,7	8,5	6,60	1 0	13,83	7,23	
5	160 0 11,1	19,6	15,35	°	16,34	0,99	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	160 0 0,0	5,9	2,95		3,94	—0,99	
1	56,7	4,0	0,35	″ 2,35	6,29	5,94	
2	0,0	6,4	3,20		8,63	5,43	
3	0,2	6,1	3,15	′ 0	10,98	7,83	
4	2,7	10,0	6,35	° 1	13,32	6,97	
5	165 0 12,7	18,0	15,35		15,67	0,32	
	160 0 0,0	5,7	2,85		3,84	—0,99	
1	58,1	3,9	1,00	″ 1,86	5,70	4,70	
2	59.7	7,7	3,70		7,57	3,87	
3	58,3	5,2	1,75	′ 0	9,43	7,68	
4	1,0	10,3	5,65	° 1	11,28	5,63	
5	165 0 9,6	16,0	12,80		13,12	0,32	
	160 0 0,0	5,3	2,65		3,64	—0,99	
1	56,2	5,2	0,70	″ 2,08	5,72	5,02	
2	0,1	7,1	3,60		7,80	4,20	
3	59,0	6,0	1,50	′ 0	9,88	8,38	
4	1,7	9,2	5,45	° 1	11,95	6,50	
5	165 0 10,4	17,0	13,70		14,02	0,32	
	160 0 0,0	5,4	2,70		3,69	—0,99	
1	57,0	4,0	0,50	″ 2,42	6,11	5,61	
2	59,8	6,2	3,00		8,52	5,52	
3	59,3	6,4	2,85	′ 0	10,94	8,09	
4	2,8	9,8	6,30	° 1	13,35	7,05	
5	165 0 12,2	18,7	15,45		15,77	0,32	
	160 0 0,0	5,5	2,75		3,74	—0,99	
1	57,4	4,5	0,95	″ 2,48	6,22	5,27	
2	0,5	7,2	3,85		8,69	4,84	
3	0,5	6,8	3,65	′ 0	11,17	7,52	
4	3,7	10,3	7,00	° 1	13,64	6,64	
5	165 0 13,1	18,5	15,80		16,12	0,32	
	165 0 0,0	4,2	2,10		2,42	—0,32	
1	53,7	0,5	57,10	″ 0,85	3,27	6,17	
2	55,7	1,9	58,80		4,12	5,32	
3	53,7	59,7	56.70	′ 0	4,98	8,28	
4	55,2	1,7	58,45	° 1	5,83	7,38	
5	170 0 3,0	10,8	6,90		6,68	+0,22	
	165 0 0,0	6,0	3,00		3,32	—0,32	
1	56,7	4,0	0,35	″ 0,81	4,13	3,78	
2	57,0	3,2	0,10		4,94	4,84	
3	55,0	0,9	57,95	′ 0	5.76	7,81	
4	56,7	3,0	59,85	° 1	6,57	6,72	
5	170 0 3,9	11,3	7,60		7,38	+0,22	
	165 0 0,0	5,0	2,50		2,82	—0,32	
1	56,4	2,6	59,50	″ 0,71	3,53	4,03	
2	56,7	2,3	59,50		4,24	4,74	
3	54,7	0,1	57,40	′ 0	4,96	7,56	
4	55,9	1,9	58.90	° 1	5,67	6,77	
5	170 0 3,3	9,9	6,60		6,38	+0,22	
	165 0 0,0	7,1	3,55		3,87	—0,32	
1	58,7	6,9	2,80	″ 1,20	5,07	2,27	
2	0,0	6,5	3,25		6,27	3,02	
3	57,8	3,2	0,50	′ 0	7,48	6,98	
4	59.6	5,7	2,65	° 1	8,68	6,03	
5	170 0 7.0	13,2	10,10		9,88	+0,22	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	165 0 0,0	7,0	3,50		3,82	—0,32	
1	56,3	4,9	0,60	″ 2,06	5,88	5,28	
2	58,4	7,5	2,95		7,94	4,99	
3	57,8	4,9	1,35	′ 0	10,01	8,66	
4	1,8	9,2	5,50	° 1	12,07	6,57	
5	170 0 11,0	17,7	14,35		14,13	+0,22	
	170 0 0,0	7,9	3,95		3,73	+0,22	
1	57,2	3,7	0,45	″ 1,88	5,61	—5,16	
2	58,0	5,2	1,60		7,49	5,89	
3	58,0	4,3	1,15	′ 0	9,38	8,23	
4	2,0	7,7	4,85	° 1	11,27	6,42	
5	175 0 10,7	16,9	13,80		13,15	+0,65	
	170 0 0,0	7,3	3,65		3,43	+0,22	
1	58,3	5,0	1,65	″ 2,33	5,76	—4,11	
2	0,3	6,7	3,50		8,09	4,59	
3	0,4	5,8	3,10	′ 0	10,43	7,33	
4	4,2	11,5	7,85	° 1	12,76	4,91	
5	175 0 12,7	18,8	15,75		15,10	+0,65	
	170 0 0,0	8,9	4,45		4,23	+0,22	
1	58,4	4,9	1,65	″ 2,15	6,38	—4,73	
2	1,3	7,4	4,35		8,54	4,19	
3	1,2	5,4	3,30	′ 0	10,69	7,39	
4	4,3	11,4	7,85	° 1	12,85	5,00	
5	175 0 12,9	18,4	15,65		15,00	+0,65	
	170 0 0,0	8,3	4,15		3,93	+0,22	
1	58,8	6,1	2,45	″ 2,08	6,01	—3,56	
2	0,0	7,4	3,70		8,10	4,40	
3	59,8	6,3	3,05	′ 0	10,18	7,13	
4	3,1	9,8	6,45	° 1	12,27	5,82	
5	175 0 11,6	18,4	15,00		14,35	+0,65	
	170 0 0,0	7.3	3,65		3,43	+0,22	
1	57,7	4,0	0,85	″ 1,86	5,29	—4,44	
2	0,2	7,1	3,65		7,16	3,51	
3	58,7	6,0	2,35	′ 0	9,02	6,67	
4	1,0	8,5	4,75	° 1	10,89	6,14	
5	175 0 9,7	17,1	13,40		12,75	+0,65	
	175 0 0,0	6,2	3,10		2,45	+0,65	
1	57,4	4,5	0,95	″ 1,80	4,25	—3,30	
2	59,8	7,9	3,85		6.05	2,20	
3	59,4	7.5	3,45	′ 0	7,85	4,40	
4	2,2	9,3	5,75	° 1	9,65	3,90	
5	180 0 8,0	14,9	11,45		11,45	0,00	
	175 0 0,0	7,2	3,60		2,95	+0,65	
1	58,3	4,9	1,60	″ 1,71	4,66	—3,06	
2	59,7	6,3	3,00		6,37	3,37	
3	57,6	5,2	1,40	′ 0	8,08	6,68	
4	0,7	7,0	3,85	° 1	9,79	5,94	
5	180 0 6,7	16,3	11,50		11,50	0,00	
	175 0 0,0	7,4	3,70		3,05	+0,65	
1	58,7	5,6	2,15	″ 1,69	4,74	—2,59	
2	0,0	7,1	3,55		6,43	2,88	
3	57,3	5,3	1,30	′ 0	8,12	6,82	
4	1,4	8,4	4,90	° 1	9,81	4,91	
5	180 0 7,8	15,2	11,50		11,50	0,00	

No.	Reading at Micros. A.	Mic. B.	Mean.	True ∠	Corrected Mean.	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	175 0 0,0	7,0	3,50	″ 1,94	2,85	+0,65	
1	58,7	5,8	2,25		4,79	—2,54	
2	0,3	7,4	3,85		6,73	2,88	
3	58 9	6,0	2,45	′ 0	8,67	6,22	
4	1,6	8,7	5,15	° 1	10,61	5,46	
5	180 0 8,7	16,4	12,55		12,55	0,00	

No.	Reading at Micros A.	Mic. B.	Mean.	True ∠	Corrected Mean	Diff. or err. div.	Observer.
	° ′ ″	″	″		″	″	
	175 0 0,0	7,0	3,50	″ 1,57	2,85	+0,65	
1	56,2	3,9	0,05		4,42	—4,37	
2	58,8	5,5	2,15		5,99	3,84	
3	55,7	4,0	59,85	′ 0	7,56	7,71	
4	0,2	8,1	4,15	° 1	9,13	4,98	
5	180 0 7,1	14,3	10,70		10,70	0,00	

Arranging these several values in a tabular form, we get as follows—

Diameter.	Measurement. No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	Mean Error.	Diameter.	Measurement. No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	Mean Error.
° °	″	″	″	″	″	″	° °	″	″	″	″	″	″
0—180	0,00	0,00	0,00	0,00	0,00	0,00	40—220	—0,79	—0,79	—0,79	—0,79	—0,79	—0,79
1—181	—3,06	—3,74	—3,63	—2,94	—3,99	—3,47	41—221	5,12	3,10	5,27	4,71	5,39	4,72
2—182	4,56	6,87	4,55	3.72	5,02	4,94	42—222	6,45	5,11	6,55	4,23	5,94	5,66
3—183	7,21	8,95	7,52	6,40	8,35	7,69	43—223	8,28	6,47	6,48	6,30	8,69	7,24
4—184	7,01	8,88	6,59	5,83	6,28	6,92	44—224	4,61	5,23	5,96	5,72	6,29	5,56
5—185	—0,81	—0,81	—0,81	—0,81	—0,81	—0,81	45—225	—0,19	—0,19	—0,19	—0,19	—0,19	—0,19
6—186	4,76	4,02	4,86	4,98	3,93	4,51	46—226	3,69	5,21	4,57	4,44	5,42	4,67
7—187	6,31	3,98	5,20	6,25	4,55	5,26	47—227	3,90	4,99	5,21	6,10	6,51	5,34
8—188	8,40	5,49	7,80	8,06	7,26	7,40	48—228	8,55	6,41	8,09	9,85	9,34	8,45
9—189	7,00	4,09	7,14	7,53	6,08	6,37	49—229	5,31	5,54	5,63	6,66	6,83	5,99
10—190	—0,89	—0,89	—0,89	—0,89	—0,89	—0,89	50—230	—0,41	—0,41	—0,41	—0,41	—0,41	—0,41
11—191	6,48	3,12	5,73	4,24	4,19	4,75	51—231	5,54	4.16	4.28	5,65	4,98	4,92
12—192	6,23	4,80	5,07	5,80	3,85	5,15	52—232	4,66	4,15	4,59	3.58	5,54	4,50
13—193	8,67	6,73	7,51	8,60	6,90	7,68	53—233	8,49	8,10	8,06	6,97	8,11	7,95
14—194	7,27	6,60	5,89	6,06	6,81	6,53	54—234	6,81	7,09	6,72	6,00	7,12	6,75
15—195	—0,07	—0,07	—0,07	—0,07	—0,07	—0,07	55—235	—1,04	—1,04	—1,04	—1,04	—1,04	—1,04
16—196	2,60	3,47	2,95	4,33	3,41	3,35	56—236	4,29	5,05	4,13	5,70	4,81	4,80
17—197	4,28	5,42	5,58	6,74	4,70	5,34	57—237	4,44	5,01	3.77	6,11	5,23	4,51
18—198	7,26	7,07	6,66	8,80	7,44	7,45	58—238	8,49	8,87	6 91	9,97	9,05	8,66
19—199	5,29	5,72	6,14	5,46	5,08	5,54	59—239	6,40	7.94	7,46	6,44	7,13	7,07
20—200	—0,02	—0,02	—0,02	—0,02	—0,02	—0,02	60—240	—1,45	—1,45	—1,45	—1,45	—1,45	—1,45
21—201	5,12	3,62	3,00	2,79	4 54	3,81	61—241	6,47	5,75	6,25	4,76	5,71	5,79
22—202	7,52	3,82	3,48	3,51	5,71	4,81	62—242	7,04	5,45	6,30	5,32	6,62	6,15
23—203	8,37	6,12	6,86	8,08	8,03	7,19	63—243	8,56	8,15	8,70	8,03	7,58	8,20
24—204	5,17	4,62	4,49	5,04	6,90	5,24	64—244	7,23	7,20	7,45	6,84	7,29	7,20
25—205	+0.29	+0,29	+0,29	+0,29	+0,29	+0,29	65—245	—1,55	—1,55	—1,55	—1,55	—1,55	—1,55
26—206	—4,43	—4,56	—3,25	—3.36	2.35	—3,59	66—246	4,86	6,90	7,18	6,73	6,41	6,42
27—207	5.55	5,35	5,54	5,26	2,39	4,82	67—247	6,27	6,60	7,56	7,71	6,37	6,90
28—208	7,31	8,15	8,47	9,46	4.32	7,54	68—248	9,02	9,44	10,23	10,43	9,22	9,67
29—209	6,88	6,59	7,31	7,60	4,81	6,64	69—249	8,78	7,59	7,36	8,31	7,68	7,94
30—210	—0,44	—0,44	—0,44	—0,44	—0,44	—0,44	70—250	—1,89	—1,89	—1,89	—1,89	—1,89	—1,89
31—211	3,41	4.65	3,77	2,58	4,18	3,72	71—251	5,52	6,17	4,98	5.82	4,89	5,48
32—212	3,93	5,86	3,35	4,57	4,12	4,37	72—252	5,25	6,15	6,17	6,60	5,39	5,91
33—213	7,06	8,08	5,59	6.47	7,37	6 91	73—253	8,53	9,68	8,36	10,28	8,89	9,15
34—214	7,08	6,29	5,27	5,96	5,56	6,03	74—254	8,16	8,41	8,20	7,76	8,34	8,17
35—215	—0,95	—0,95	—0,95	—0,95	—0,95	—0,95	75—255	—1,04	—1,04	—1,04	—1,04	—1,04	—1,04
36—216	2,86	3,96	4,36	3,88	4,23	3,86	76—256	5,40	5,09	4,03	5.19	6,18	5,18
37—217	4,47	4,32	6,72	5,71	6,01	5,45	77—257	5,91	6,69	5,42	6,04	5,92	6,00
38—218	8,47	7,42	8,72	8,23	9,48	8,46	78—258	8,83	9,75	7,62	8,10	8,52	8,56
39—219	5,93	6,33	6,33	7,36	7,61	6,71	79—259	6,89	7,75	5,81	7,05	7,01	6,90

Diameter.	Measurement. No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	Mean Error.	Diameter.	Measurement. No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	Mean Error.
° °	″	″	″	″	″	″	° °	″	″	″	″	″	″
80—260	—0,40	—0,40	—0,40	—0,40	—0,40	—0,40	130—310	—0,83	—0,83	—0,83	—0,83	—0,83	—0,83
81—261	6.66	4,52	3,94	5,25	4,63	5,00	131—311	5,76	5,70	6,15	4,07	5,30	5,40
82—262	5,17	4,89	4,48	5,15	4,71	4,88	132—312	5,13	4,56	5,86	7,40	6,71	5,93
83—263	8,28	8,52	7,48	8,26	8,39	8,19	133—313	9,46	7,93	9,68	9,34	9,38	9,16
84—264	7,50	6,44	6,97	7,36	7,13	7,08	134—314	7,43	6,39	8,24	6,82	8,14	7,40
85—265	—0,31	—0,31	—0,31	—0,31	—0,31	—0,31	135—315	—1,56	—1,56	—1,56	—1,56	—1,56	—1,56
86—266	4,39	3,12	3,94	3,51	5,13	4,02	136—316	6,60	5,49	5,48	5,48	5,81	5,77
87—267	5,08	4,59	4,58	4,17	5,01	4,69	137—317	6,85	6,73	7,06	7,16	6,87	6,95
88—268	7,31	6,80	7,71	8,37	8,38	7,71	138—318	9,29	9,26	10,38	9,58	10,07	9,72
89—269	6,00	6,87	7,80	7,83	7,01	7,10	139—319	9,09	7,70	8,16	7,26	8,28	8,10
90—270	—0 63	—0,63	—0,63	—0,63	—0,63	—0.63	140—320	—1,73	—1,73	—1,73	—1,73	—1,73	—1,73
91—271	4,15	4.65	4,75	5,44	3,94	4,59	141—321	5,15	4,83	6,16	4,68	5,09	5,18
92—272	4,72	6.02	4,92	6,81	5.81	5,66	142—322	5,48	5,92	5,95	6,69	5,96	6,00
93—273	7.80	9,45	9,10	9,87	9.12	9.07	143—323	8,05	8,76	8,08	9,34	8,27	8,50
94—274	6,93	8,13	8,03	8,34	6,69	7,62	144—324	6,13	6,66	6,27	5,85	6,78	6,34
95—275	—0,45	—0.45	—0,45	—0,45	—0,45	—0,45	145—325	—1,15	—1,15	—1,15	—1,15	—1,15	—1,15
96—276	4,34	3,98	3,89	5,57	3,42	4,24	146—326	4,85	5,25	4,32	4,58	5,50	4,90
97—277	5,03	4,41	4,68	4,74	2.79	4.33	147—327	6,01	4,81	5,55	4,76	5,86	5,40
98—278	7,47	7,79	8,67	6,11	6,61	7,33	148—328	8,51	8,86	8,87	5.95	8,86	8,21
99—279	5,21	6,77	7,36	3,88	5,98	5,84	149—329	8,27	8,02	7,10	4,78	7,12	7,06
100—280	—0,85	—0,85	—0,85	—0,85	—0.85	—0,85	150—330	—2,07	—2,07	—2,07	—2,07	—2,07	—2,07
101—281	5,03	4,45	4,92	5,84	3,12	4.67	151—331	5.20	3.48	5,33	5,66	5,66	5,07
102—282	5 91	5,00	5,24	6,88	4.14	5,43	152—332	6.09	4 90	7,39	6.65	6.90	6,39
103—283	9.20	8,76	8,61	10.33	8,87	9,15	153—333	8,92	8,06	9,45	9,75	10,20	9,28
104—284	7,03	7,51	7,84	9,52	7,09	7,80	154—334	9,50	7,72	8,72	8,84	8,49	8,65
105—285	—0,71	—0,71	—0,71	—0,71	—0,71	—0.71	155—335	—1,03	—1,03	—1,03	—1,04	—1,00	—1,03
106—286	5,10	5.57	5,67	5,87	6,73	5,79	156—336	4,68	5,59	5,26	5.52	5,39	5,29
107—287	4,89	6,53	6.58	5,33	6,15	5 90	157—337	6.43	6 85	6,64	5.96	6,66	6,51
108—288	8,42	8,43	8.63	8,88	8,56	8,58	158—338	8,44	8,46	8,48	7,35	8,87	8,32
109—289	8,16	6,99	7,24	7,59	7,73	7,54	159—339	7,74	7,98	7,81	7,20	7,23	7,59
110—290	—0.90	—0,90	—0.90	—0,90	—0,90	—0.90	160—340	—0,99	—0.99	—0,99	—0,99	—0,99	—0.99
111—291	6,76	5,58	5,73	5,55	5,26	5,78	161—341	5,94	4,70	5,02	5,61	5,27	5,31
112—292	7,27	6,71	5,66	6,35	5,32	6,26	162—342	5,43	3,87	4,20	5,52	4,84	4,77
113—293	9,52	10,48	9,93	11,09	9.77	10,16	163—343	7,83	7,68	8,38	8 09	7.52	7.90
114—294	8,28	9,86	8,61	8,94	8,98	8,93	164—344	6,97	5,63	6,50	7,05	6,64	6,56
115—295	—1,69	—1,69	—1,69	—1.69	—1,69	—1.69	164—345	—0.32	—0,32	—0.32	—0,32	—0,32	—0,32
116—296	3,00	5,65	5,03	4,78	5,09	4,71	166—346	6,17	3,78	4,03	2,27	5,28	4,31
117—297	4.66	5,66	5,87	5,82	6,19	5,64	167—347	5,32	4,84	4,74	3.02	4,99	4,58
118—298	9,57	10.32	9,87	10,17	9,24	9,83	168—348	8,28	7,81	7.56	6,98	8,66	7,86
119—299	8,34	8,09	7,01	8,16	9,15	8,15	169—349	7,38	6,72	6,77	6,03	6,57	6,69
120—300	—1,50	—1,50	—1,50	—1,50	—1,50	—1,50	170—350	+0,22	+0,22	+0,22	+0,22	+0,22	+0,22
121—301	4,32	4,17	4.03	3,93	4,72	4.23	171—351	—5,16	—4,11	—4,73	—3,56	—4,44	—4,40
122—302	5,24	5,14	5,51	4.86	5,94	5.34	172—352	5.89	4,59	4,19	4,40	3.51	4,72
123—303	8.96	8,22	9,65	8,45	9,12	8,88	173—353	8,23	7,33	7,39	7,13	6,67	7,35
124—304	7,73	8,14	7,88	7,18	7,24	7,63	174—354	6,42	4,91	5,00	5,82	6,14	5,66
125—305	—0,76	—0,76	—0,76	—0,76	—0,76	—0,76	175—355	+0,65	+0,65	+0,65	+0,65	+0,65	+0,65
126—306	5,10	4,94	5,00	5,55	4,69	5,06	176—356	—3,30	—3,06	—2,59	—2,54	—4,37	—3,17
127—307	4,40	4,78	4,60	5,20	3,93	4,58	177—357	2,20	3,37	2,88	2,88	3,84	3,03
128—308	7,49	7,01	7,09	7,84	6,91	7,27	178—358	4,40	6,68	6,82	6,22	7,71	6,37
129—309	6,78	6,85	5,84	6,24	5,90	6,32	179—359	3,90	5,94	4,91	5,46	4,98	5,04

A mere glance at the above table renders the conviction certain,—that in addition to the unavoidable (casual) errors to which dividing must necessarily be subject from flexure in the cutting tools and apparatus &c.—there exists in the Madras Mural Circle a regular and systematic amount of error! That errors of such large amount should exist at all under any circumstances—will be looked upon with astonishment if not discredit by those Gentlemen who were as well as myself invited to inspect the divisions of this instrument in Mr. Dollond's work shop in 1826 previously to its being despatched to Madras. I recollect meeting the late Captain Kater about this time in London, who asserted 'that the errors of division of the Mural Circle constructed for the Madras Observatory, in no case exceeded one second,' and from a careful examination of several promiscuous divisions.—I then had entertained the same opinion but let it be recollected, *how* the examination in question was conducted! the division to be examined was brought to microscope A, and the cross wires of microscope B brought to intersect the opposite division; the circle was now turned through 180°, until the division which before was employed at microscope B was brought to intersect the cross wires of microscope A, when, half the difference between the present and first reading of microscope B, shewed the error of the division at B with respect to that at A. Let the same mode of examination be now had recourse to, and precisely the same result will obtain! But instead of employing any given division and the one immediately opposite to it, let the division 0° for instance, be brought to microscope A, and let another microscope be placed opposite to the division 178° or 179°, and then inverting the instrument, the error of division will be sufficiently obvious. With a view of satisfying myself of the correctness of the errors above found, I brought 0° to microscope A, and placed a microscope opposite to 181° whereby I might view a division which I knew to be erroneous with respect to that which stood at microscope A, thus

	Microscope A.	Other Microscope.
	° ′ ″	° ′ ″
	359 59 45,9	181 0 0,0

Turned the Instrument through 181°, when the readings were

	178 59 33,1	360 0 0,0
Difference	181 0 12,8	181 0 0,0

∴ err. div. at 179° + err. div. at 181° = 12″,8

I then removed the microscope to 182°, when the following was read off

° ′ ″	° ′ ″
359 59 25,7	182 0 0,0

Turned the Instrument through 182°, when the readings were

	177 59 9,1	360 0 0,0
Difference	182 0 16,6	182 0 0,0

∴ err. div. at 178° + err. div. at 182° = 16,6

agreeing in both cases as nearly with the errors set down in the table, as can be expected from a single reading, and that too encumbered with error of excentricity.

Mr. Dollond has not I believe made public the means he employed for effecting the division of this Instrument, but it appears more than probable, that this systematic error—which is as follows,

For the Diameters.	*Error of Division.*
° ° ° °	″
0—180, 5—185, &c.	— 0,78
1—181, 6—186, &c.	— 4,72
2—182, 7—187, &c.	— 5,33
3—183, 8—188, &c.	— 8,25
4—184, 9—189, &c.	— 6,91

has arisen from the employment of a tangent screw for setting off the divisions intermediate between 0° — 5°, 5° — 10° &c. in which—an improper allowance has been made for the difference between the length of the tangent and the arc: had such a method been employed, it is reasonable to suppose, that the centre of the screw would be set opposite to the centre of the divisions nearly, in which case the difference between the tangent of 2° 30′ and the arc. of the same (= 5″,8); would enter; but as the errors arrive at a maximum at about 3° 20′, 8°, 20′, &c. in which a much larger difference is found, this single circumstance alone would not fully account for the discrepancies met with.

I now placed two pairs of cross wires in the 5 feet Achromatic, at a distance of 15 minutes apart, and employing the errors found for each degree as set down in the table, (in a manner similar to that already practised for the larger divisions) found the errors of the divisions terminating the diameters 0° 15—180° 15′; 0° 30′—180° 30′; &c. as set down in the following table (column "No. 1"); but these readings commencing at 0° and terminating at 360° necessarily pass twice over the same divisions, hence the column "No. 2". On comparing these two columns, a tolerable degree of accuracy in most cases appeared to have been attained, but occasionally—discrepancies occurring beyond the probable limits of error of bisecting and reading, I was induced in these cases to institute a re-examination, as set down in column "No. 3,"—and hence the column "Mean" was eventually obtained.

I now placed the two horizontal wires of the circle telescope nearly 5′ apart, and with reference to a pair of cross lines in the five feet collimator, repeated the measures of their distance on every division of the circle twice over, when—employing the errors at 0° 15′—180° 15′; 0° 30′—180° 30′; &c. just arrived at, the errors the intermediate diameters were at length obtained; in a few cases a re-examination has been thought necessary and occasionally a result has been rejected, but due notice of this is given in the table.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
0 } 180 } 0	0,00	0,00		0,00	4 } 184 } 0				—6,92	8 } 188 } 0				—7,40
5	—0,20	—0,25		—0,22	5	—7,09	—7,82		7,45	5	—7,08	—6,35		6,71
10	—0,50	—0,21		—0,35	10	7,11	7,03		7,07	10	6,46	6,65		6,55
15	+1,27	—1,07	—0,07	+0,04	15	5,97	6,99		6,48	15	6,83	6,58	—5,79	6,40
20	—0,51	1,07		—0,79	20	5,70	5,20		5,45	20	5,42	6,87		6,14
25	0,76	1,38		1,07	25	4,93	4,53		4,73	25	5,39	6,84		6,12
30	1,06	2,19	1,09	1,45	30	4,26	3,27		3,76	30	5,81	7,61	6,13	6,52
35	1,59	3,29	1,55	2,14	35	3,38	3,14		3,26	35	7,67	7,94		7,80
40	0,92	2,67	1,85	1,81	40	2,99	2,27		2,63	40	7,77	7,98		7,87
45	2,29	2,45	2,05	2,26	45	1,91	1,49		1,70	45	8,34	8,39	7,03	7,92
50	2,23	2,68		2,45	50	0,69	1,08		0,88	50	7,33	7,20		7,26
55	2,85	3,45		3,15	55	0,43	0,67		0,55	55	7,17	7,52		7,35
1 } 181 } 0				—3,47	5 } 185 } 0				—0,81	9 } 189 } 0				—6,37
5	—3,88	—4,08		3,98	5	—0,94	—0,97		0,95	5	—6,14	—6,23		6,18
10	4,64	3,94		4,29	10	2,02	1,79		1,90	10	5,90	5,45		5,67
15	5,20	4,00		4,60	15	3,00	3,12	—3,33	3,15	15	5,39	5,85	—5,76	5,67
20	5,10	4,77		4,93	20	2,92	3,08		3,00	20	3,60	5,65	3,62	4,29
25	4,61	4,29		4,45	25	3,33	3,86		3,59	25	4,38	5,08	4,16	4,54
30	5,58	4,55		5,06	30	2,83	3,14	3,61	3,19	30	4,15	3,78	4,53	4,15
35	5,44	5,09		5,26	35	3,47	3,18		3,32	35	3,74	3,35		3,54
40	5,38	4,83		5,11	40	3,95	2,83		3,39	40	2,88	2,61		2,74
45	5,26	4,67		4,96	45	3,67	4,15	4,08	3,97	45	1,12	2,96	2,43	2,17
50	4,97	5,08		5,02	50	4,61	4,20		4,40	50	1,03	1,92		1,47
55	4,93	4,76		4,84	55	4,16	3,83		4,00	55	1,18	1,48		1,33
2 } 182 } 0				—4,94	6 } 186 } 0				—4,51	10 } 190 } 0				—0,89
5	—4,45	—4,11		4,28	5	—5,43	—6,14		5,78	5	—1,28	—1,06		1,17
10	3,67	3,87		3,77	10	6,00	6,37		6,18	10	1,51	1,83		1,67
15	4,03	4,04		4,03	15	6,62	4,68	—5,52	5,61	15	1,39	0,71		1,05
20	4,44	5,42		4,93	20	6,07	6,05		6,06	20	1,53	2,22		1,87
25	4,69	5,71		5,20	25	5,97	6,64		6,30	25	2,07	2,43		2,25
30	6,31	6,29		6,30	30	5,53	5,96	6,59	6,03	30	3,64	2,77		3,20
35	5,69	7,02		6,35	35	5,84	6,32		6,08	35	3,50	4,51		4,01
40	5,78	6,50		6,14	40	5,50	6,31		5,90	40	3,00	3,02		3,01
45	6,30	5,74		6,02	45	6,30	5,08	5,90	5,76	45	2,55	3,33		2,94
50	7,01	*8,96	—7,16	7,08	50	5,59	5,14		5,36	50	3,46	3,39		3,42
55	8,50	7,75	6,90	7,72	55	5,17	5,53		5,35	55	4,07	4,15		4,11
3 } 183 } 0				—7,69	7 } 187 } 0				—5,26	11 } 191 } 0				—4,75
5	—7,19	—7,33		7,26	5	—4,91	—5,20		5,05	5	—5,04	—4,33		4,68
10	6,54	6,61		6,58	10	5,46	4,73		5,10	10	4,88	4,62		4,75
15	6,21	6,58		6,39	15	4,62	4,61		4,61	15	4,86	4,66	—5,20	4,91
20	6,64	6,30		6,47	20	5,10	5,25		5,17	20	5,03	4,89		4,96
25	5,64	5,72		5,68	25	5,74	5,76		5,75	25	4,70	5,22		4,96
30	7,08	5,98		6,53	30	5,48	6,55		6,02	30	4,77	5,27	5,92	5,32
35	7,11	7,14		7,13	35	5,86	5,51		5,68	35	5,78	5,91		5,84
40	7,34	6,75		7,05	40	6,05	6,60		6,32	40	5,89	5,89		5,89
45	8,75	7,77		8,26	45	5,19	5,70		5,44	45	5,95	5,19	6,13	5,76
50	8,43	7,91		8,17	50	6,86	6,62		6,74	50	4,84	5,63		5,23
55	7,80	7,06		7,43	55	6,48	6,25		6,36	55	4,77	5,34		5,05
4 } 184 } 0				6,92	8 } 188 } 0				7,40	12 } 192 } 0				5,15

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
12 } 192 } 0				—5,15	16 } 196 } 0				—3,35	20 } 200 } 0				—0,02
5	—4,48	—4,41		4,44	5	—3,05	—4,59		3,82	5	+0,85	+0,07		+0,46
10	4,26	3,83		4,04	10	3,85	3,99		3,92	10	+0,44	+0,26		+0,35
15	4,64	4,34		4,49	15	3,37	3,52		3,44	15	+1,11	—0,48	—0,32	+0,10
20	4,62	4,57		4,60	20	4,16	3,69		3,92	20	—0,64	1,04		—0,84
25	5,05	5,25		5,15	25	4,33	3,94		4,13	25	1,08	0,78		0,93
30	5,58	5,58		5,58	30	4,59	4,39		4,49	30	1,66	2,24	1,72	1,87
35	6,30	5,57		5,93	35	5,21	5,49		5,35	35	2,13	1,49		1,81
40	6,62	5,86		6,24	40	5,38	5,84		5,61	40	2,79	2,52		2,65
45	5,87	6,72		6,29	45	6,22	5,27		5,74	45	1,59	1,85	1,96	1,80
50	6,63	7,68		7,15	50	5,37	5,61		5,49	50	2,00	3,07	1,52	2,20
55	6,72	7,37		7,05	55	4,85	5,13		4,99	55	2,21	3,92	3,59	3,24
13 } 193 } 0				—7,68	17 } 197 } 0				—5,34	21 } 201 } 0				—3,81
5	—7,53	—6,79		7,16	5	—5,74	—5,04	—6,37	5,72	5	—4,01	—4,80		4,40
10	6,91	7,52		7,21	10	3,54†	4,79	5,68	5,23	10	4,16	4,08		4,12
15	6,35	6,75		6,55	15	3,86†	5,53	5,95	5,74	15	3,71	4,73		4,22
20	6,67	5,64		6,15	20	6,11	5,34		5,72	20	4,13	4,12		4,13
25	6,79	6,52		6,65	25	6,63	6,25		6,44	25	4,94	4,96		4,95
30	7,19	7,24		7,21	30	5,49	7,57	6,01	6,36	30	4,01	5,01		4,51
35	7,10	7,78		7,44	35	6,06	8,01	6,38	6,82	35	5,60	5,43		5,51
40	6,73	7,30		7,01	40	5,81	7,56	6,64	6,67	40	5,59	5,95		5,77
45	7,79	7,14		7,46	45	5,91	7,96	6,57	6,81	45	5,96	5,58		5,77
50	7,00	7,41		7,20	50	7,44	6,82		7,13	50	5,23	6,14		5,68
55	6,69	6,61		6,65	55	6,77	6,79		6,78	55	4,74	5,65		5,20
14 } 194 } 0				—6,53	18 } 198 } 0				—7,45	22 } 202 } 0				—4,81
5	—6,77	—5,92		6,34	5	—6,50	—7,33		6,91	5	—3,41	—4,39		3,90
10	5,26	5,41		5,33	10	6,65	7,61		7,13	10	3,77	4,18		3,97
15	4,89	5,82		5,35	15	6,31	5,98		6,14	15	2,90†	4,68	—4,56	4,62
20	3,91	4,36		4,13	20	5,91	6,21		6,06	20	4,46	3,77		4,11
25	3,63	3,33		3,48	25	6,73	6,17		6,45	25	4,45	3,72		4,08
30	2,45	2,85		2,65	30	6,29	6,70		6,49	30	4,50	5,50	6,30	5,43
35	1,66	1,73		1,70	35	7,19	6,89		7,04	35	6,87	7,25	6,31	6,81
40	0,58	1,61		1,10	40	6,49	6,44		6,46	40	5,86	6,57	6,00	6,14
45	0,56	1,34		0,95	45	6,56	5,92		6,24	45	5,94	5,62	5,20	5,59
50	0,97	0,12		0,54	50	6,31	6,04		6,17	50	6,84	6,21		6,52
55	1,19	+0,01		0,59	55	5,18	4,94		5,06	55	7,04	6,52		6,78
15 } 195 } 0				—0,07	19 } 199 } 0				—5,54	23 } 203 } 0				—7,49
5	—0,02	+0,69		+0,33	5	—4,10	—5,48		4,79	5	—7,65	—7,23		7,44
10	+0,03	—0,05		—0,01	10	4,46	4,92		4,69	10	7,31	6,97		7,14
15	—0,03	+1,00	—0,15*	+0,03	15	4,53	4,09		4,31	15	7,31	6,18		6,75
20	1,02	+0,19†	1,00	—1,01	20	4,68	3,98		4,33	20	6,67	6,70		6,68
25	1,97	+0,24†	1,98	1,97	25	3,00	3,11		3,06	25	6,64	6,66		6,65
30	3,98	—1,83	3,26*	3,16	30	3,03	2,14		2,58	30	5,89	6,05		5,97
35	3,88	3,13		3,51	35	1,94	1,56		1,75	35	6,38	6,67		6,52
40	3,25	3,00		3,12	40	2,20	1,39		1,79	40	6,39	6,98		6,68
45	3,69	1,87	2,62*	2,67	45	1,22	1,53		1,37	45	6,46	6,42		6,44
50	2,80	3,32		3,06	50	2,02	0,98		1,50	50	5,94	7,46	—6,69	6,70
55	2,98	3,26		3,12	55	0,42	0,55		0,49	55	5,14	5,88	6,19	5,74
16 } 196 } 0				3,35	20 } 200 } 0				0,02	24 } 204 } 0				5,24

* Mean of 5 measures. † Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
24 } 204 } 0				−5,24	28 } 208 } 0				−7,54	32 } 212 } 0				−4,37
5	−5,18	−4,72		4,95	5	−7,68	−7,26		7,47	5	−4,30	−4,32		4,31
10	4,07	4,11		4,09	10	7,32	6,69		7,01	10	4,28	4,01		4,15
15	3,84	2,59	−3,77	3,40	15	6,66	7,66		7,16	15	4,32	3,70		4,01
20	2,82	3,87		3,35	20	7,87	6,70		7,28	20	5,05	4,58		4,81
25	3,14	2,69		2,91	25	8,13	7,34		7,74	25	4,53	4,39		4,46
30	2,60	0,40	2,40	1,80	30	8,04	7,93		7,98	30	5,34	5,08		5,21
35	1,29	1,97		1,61	35	8,06	8,62		8,34	35	5,20	5,89		5,54
40	1,03	0,79		0,91	40	7,49	8,35		7,92	40	4,93	5,82		5,37
45	0,85	0,40	0,88	0,71	45	7,81	7,56		7,68	45	6,30	5,42		5,86
50	0,02	0,46		0,24	50	8,64	7,81		8,22	50	6,71	6,13		6,42
55	+0,36	0,51		0,07	55	7,36	7,09		7,22	55	6,46	6,04		6,25
25 } 205 } 0				+0,29	29 } 209 } 0				−6,64	33 } 213 } 0				−6,91
5	+0,88	−0,22		+0,33	5	−6,36	−5,53		5,94	5	−6,38	−6,63		6,51
10	+0,07	−1,27		−0,60	10	6,73	6,27		6,50	10	5,75	5,49		5,62
15	−1,07	+0,22	−0,45	0,43	15	4,48	5,53		5,01	15	6,33	4,51	−5,39	5,41
20	+0,30	−1,10		0,40	20	4,22	4,76		4,49	20	6,04	5,82		5,93
25	−0,92	1,27		1,09	25	3,62	4,47		4,05	25	6,01	5,93		5,97
30	2,37	0,45	1,20	1,34	30	3,16	3,61		3,38	30	6,90	6,16	6,57	6,54
35	1,52	2,87	2,56	2,32	35	2,52	2,66		2,59	35	6,74	7,29		7,01
40	1,70	2,20	2,12	2,01	40	2,32	1,68		2,00	40	7,19	6,79		6,99
45	1,68	2,57	1,70	1,98	45	1,90	1,00		1,45	45	7,66	6,42	8,25	7,44
50	2,25	2,73		2,49	50	1,20	0,50		0,85	50	8,00	7,51		7,75
55	2,07	3,28		2,67	55	0,89	0,29		0,59	55	6,81	6,42		6,61
26 } 206 } 0				−3,59	30 } 210 } 0				−0,44	34 } 214 } 0				−6,03
5	−3,77	−4,65		4,21	5	−0,02	−0,25		0,13	5	−5,61	−5,77		5,69
10	3,90	4,31		4,11	10	0,40	0,26		0,33	10	5,59	5,36		5,47
15	3,77	4,28		4,02	15	0,45	0,40		0,42	15	4,40	5,58	−5,35	5,11
20	4,83	4,31		4,57	20	0,78	1,13		0,95	20	4,27	3,50		3,88
25	4,49	4,00		4,25	25	1,09	1,79		1,44	25	4,13	3,19		3,66
30	4,17	4,51		4,34	30	0,81	1,90		1,35	30	2,07	3,58	2,42	2,69
35	5,09	4,97		5,03	35	1,64	1,64		1,64	35	2,44	2,56		2,50
40	4,48	5,15		4 81	40	1,58	1,94		1,76	40	1,24	2,08		1,66
45	4,08	5,39		4,73	45	1,46	1,01		1,23	45	2,13	1,94	1,63	1,90
50	5,28	4,86		5,07	50	1,88	1,74		1,81	50	2,35	1,07		1,71
55	4,37	4,39		4,38	55	2,89	2,54		2,71	55	1,05	1,48		1,26
27 } 207 } 0				−4,82	31 } 211 } 0				−3,72	35 } 215 } 0				−0,95
5	−4,65	−3,64	−4,14	4,14	5	−4,17	−3,75		3,96	5	−1,42	−0,82	−1,34	1,19
10	3,65	3,56	3,81	3,67	10	3,91	4,03		3,97	10	2,05	0,39	1,13	1,19
15	4,13	4,06		4,09	15	2,90	4,76	−4,48	4,05	15	0,88	1,78		1,33
20	3,52	3,44	5,25	4,07	20	3,54	4,44		3,99	20	2,18	2,03		2,10
25	4,05	4,83	4,91	4,60	25	3,83	3,39		3,61	25	2,28	1,43		1,85
30	6,41	5,82		6,12	30	3,24	4,40	4,29	3,98	30	1,71	2,86		2,28
35	6,01	6,12		6,06	35	3,70	3,82		3,76	35	1,92	3,53	3,33	2,93
40	5,80	5,33		5,56	40	3,58	3,42		3,50	40	3,10	2,03	3,18	2,77
45	4,90	5,58		5,24	45	3,88	3,58	5,01	4,16	45	2,93	3,84		3,38
50	5,94	6,49		6,21	50	5,11	4,21		4,66	50	3,09	2,57	3,12	2,93
55	5,94	6,69		6,31	55	4,76	4,01		4,38	55	4,10	3,71	4,62	4,14
28 } 208 } 0				7,54	32 } 212 } 0				4,37	36 } 216 } 0				3,86

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
36 216 } 0				—3,86
5	—3,95	—4,14		4,04
10	5,25	3,97		4.61
15	3,88	5,22		4,55
20	4,28	5,08		4,68
25	4,86	5,96		5,41
30	5,75	6,23		5,99
35	5,73	5,96		5,84
40	5,42	5,68		5,55
45	6,83	5,79		6,31
50	4,51	5,71	—5,83	5,35
55	4,51	5,25	5,26	5,01
37 217 } 0				—5,45
5	—4,54	—5,41		4,97
10	4,97	5,23		5,10
15	4,68	4,42		4,55
20	5,49	5,38		5,44
25	6,27	5,91		6,09
30	6,96	5,64		6,30
35	6,30	6,55		6,42
40	7,26	7,68		7,47
45	7,48	6,67		7,07
50	8,41	8,14		8,27
55	8,51	7,50		8,01
38 218 } 0				—8,46
5	—7,52	—7,49		7,50
10	6,44	7,32		6,88
15	6,91	7,52		7,21
20	7,31	*6,22	—7,52	7,41
25	7,41	*5,63	7,58	7,50
30	7,81	7,38		7,59
35	8,42	8,22		8,32
40	7,70	7,80		7,75
45	6,96	8.20		7,58
50	7,63	7,37		7,50
55	6,72	6,42		6,57
39 219 } 0				—6,71
5	—5,80	—6,50		6,15
10	5,70	6,70		6.20
15	5,02	5 38	—5,62	5,34
20	4,92	4,51		4,71
25	4,46	4,38		4,42
30	3,63	5,80	4,08	4.50
35	2,97	2,98		2.97
40	2,25	2,30		2.27
45	2,38	2,97	1,64	2,33
50	0,77	1,78	0.49	1.01
55	0,16	2,19	0,95	1,10
40 220 } 0				0,79

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
40 220 } 0				—0,79
5	—0,12	—1,30	—0,80	0,74
10	—0,73	0,77	0,67	0,72
15	+0,63	0,96	0,50	0,28
20	0,99	1,14		1,07
25	1,30	1,40		1,35
30	2,05	2,88	1,86	2,26
35	2,96	3,40		3,18
40	4,00	3,25		3,62
45	3.64	3,00	4,12	3,59
50	4.60	3,28		3,94
55	5,06	4,13		4,59
41 221 } 0				—4,72
5	—4,67	—4,30		4,48
10	5.41	5,53		5,47
15	4,84	5,28	—6,52	5,55
20	6,46	6,13		6,29
25	6,12	5,71		5,91
30	6,21	6.44	6,66	6,44
35	5,94	6,09		6,01
40	6,08	6,20		6,14
45	5,48	6,45	6,31	6,08
50	4,99	5.89		5,44
55	5,25	5,52		5,38
42 222 } 0				—5,66
5	—5,55	—4,84		5,19
10	4,90	5,32		5,11
15	4.02	4,97	—3,61	4,20
20	3,38	4,80	4 49	4,22
25	4,11	4,66	5,58	4,78
30	6,68	4,93	3,16	4.92
35	6,15	5,16		5,66
40	5,24	5.24		5,24
45	6.09	5,33	4,40	5,27
50	*4,55	6 05	6.64	6,34
55	*5,72	6,18	6,81	6,49
43 223 } 0				—7,24
5	—6,98	—6,41		6.70
10	6,91	5,85		6,38
15	6,16	6,02		6,09
20	5,69	6,11		5,90
25	5,35	5,43		5,39
30	6,53	5,20		5,86
35	6,95	6,51		6.73
40	6,53	7,21		6,87
45	7,40	7,13		7,26
50	6,77	6,91		6,84
55	6,84	6,11		6,47
44 224 } 0				5,56

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
44 224 } 0				—5,56
5	—5,70	—5,36		5,53
10	5,55	4,65		5,10
15	4,60	5,10	—5,59	5,10
20	4,36	4,23		4,30
25	3,52	3,95		3,73
30	2,25	3,00	3,38	2,88
35	*0,36	1,80	2,65	2,22
40	1,64	2,33	2.33	2,10
45	0,69	1,74	1,36	1,26
50	0,91	1,43		1,17
55	1,20	1,26		1,23
45 225 } 0				—0,19
5	+0,34	—0,01		+0,16
10	—0,47	0,52		—0,49
15	0,17	0,81	—1,20	0,73
20	1,34	1,72		1,53
25	1,84	2,00		1,92
30	1,85	3,48	1,38	2.24
35	3,02	2,88		2,95
40	2,95	2,78		2,86
45	2,94	4,80	2,66	3,47
50	3,72	4,46		4,09
55	4,37	4,79		4 58
46 226 } 0				—4,07
5	—5,06	—5,13		5,09
10	5,35	5,48		5,41
15	5,37	6,90	—6,14	6,14
20	6,06	5,78	5,99	5,94
25	4 74	5,42	5.45	5,20
30	5,48	5,03	6,61	5,71
35	6,71	5,33		6.02
40	5,97	6.20		6,08
45	6,83	5,96	6,03	6,27
50	5,78	5,57		5,67
55	5,13	4,58		4,85
47 227 } 0				—5,34
5	—4,38	—5.10		4,74
10	4.52	5,35		4,93
15	4,89	5,32	—4,07	4,76
20	5,48	5,13		5,30
25	5,66	4,95		5,30
30	5.44	6,80	6,90	6,38
35	6.76	6.44	5,88	6,36
40	7,59	7,80	6,87	7,42
45	5,40	5 52	6,83	6 92
50	7,57	7,85		7,71
55	6,76	7,33		7,04
48 228 } 6				8,45

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
48 228 0				—8,45
5	—8,32	—7,35		7,83
10	7,45	7,21		7,33
15	7,65	6,96		7,31
20	7,45	7,18		7,31
25	7,24	6,61		6,92
30	7,25	7,52		7,38
35	7,27	7,43		7,35
40	7,60	7,38		7,49
45	7,60	7,88		7,74
50	6,90	7,19		7,04
55	6,64	5,94		6,29
49 229 0				—5,29
5	—6,13	—6,39		6,26
10	4,96	5,69		5,32
15	2,96	5,08	—4,38	4,14
20	3,66	3,90		3,78
25	3,14	3,20		3,17
30	2,58	1,62	2,73	2,31
35	1,97	1,96		1,97
40	2,08	1,51		1,79
45	1,70	1,17	0,87	1,25
50	1,40	0,40		0,90
55	1,20	0,30		0,75
50 230 0				—0,41
5	—0,88	—0,96		0,92
10	1,45	1,76		1,60
15	2,22	1,42	—1,21	1,62
20	2,57	2,38		2,47
25	2,60	2,39		2,50
30	3,44	1,78	2,46	2,56
35	3,49	3,09		3,29
40	3,72	2,77		3,24
45	4,25	2,10	3,36	3,24
50	3,76	3,62		3,69
55	4,74	4,39		4,56
51 231 0				—4,92
5	—3,89	—4,62		4,25
10	4,26	4,77		4,51
15	5,21	4,32	—5,26	4,93
20	5,29	4,90		5,09
25	4,66	5,13		4,89
30	4,56	5,62	5,16	5,11
35	4,94	5,39		5,16
40	5,21	4,71		4,96
45	5,75	4,96	3,95	4,89
50	4,54	4,01		4,27
55	4,64	4,78		4,71
52 232 0				4,50

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
52 232 0				—4,50
5	—3,95	—4,15		4,05
10	3,15	3,65		3,40
15	4,01	3,73	—3,80	3,85
20	4,74	4,47	4,49	4,57
25	4 88	4,40	4,93	4,74
30	6,53	6,07	6,05	6,22
35	6,75	7,00		6,87
40	6,62	6,72		6,67
45	5,79	7,21	7,25	6,75
50	7,80	7,51		7,65
55	7,60	7,73		7,65
53 233 0				—7,95
5	7.69	—7,72		7,70
10	7,51	8,44		7,97
15	7,00	6,83	—8,55	7,46
20	7,15	8,45		7,80
25	7,48	8,13		7,80
30	6,35	8,77	8,90	8,01
35	8,30	8,46		8,38
40	8,33	9,11		8,72
45	7,20	8,91	9,15	8,42
50	7,63	8,26		7,94
55	7,24	7,01		7,12
54 234 0				—6,75
5	6,42	—6,08		6,25
10	5,88	6,06		5,97
15	5,46	6,33	—6,32	6,04
20	6,31	5,64		5,97
25	4,63	4,79		4,71
30	3,42	4,21	4,20	3,94
35	2,86	2,95		2,90
40	2,42	3,21		2,81
45	1,78	3,40	2,87	2,68
50	1,72	1,85		1,79
55	1,46	1,57		1,51
55 235 0				—1,04
5	—2,27	—0,17	—0,94	1,13
10	2,65	0,65	0,94	1,41
15	1,32	0,95	1,41	1,23
20	2,22	1,23	1,11	1,52
25	1,85	2,23	1,49	1,86
30	1,00	1,35	3,13	1,83
35	3,34	3,81	2,05	3,07
40	2,92	2,73	3,00	2,83
45	3,48	3,00	3,71	3,40
50	3,85	4,28		4,06
55	4,10	4,27		4,18
56 236 0				4,80

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
56 236 0				—4,80
5	—4,53	—5,02		4,77
10	4,87	5,34		5,10
15	4,03	4,53	—4,83	4,46
20	4,66	4,81		4,73
25	3,87	4,42		4,14
30	3,56	4,51	4,77	4,28
35	4,15	4,46		4,30
40	4,88	4,39		4,63
45	4,19	4,53	4,96	4,56
50	5,17	4,39		4,78
55	4,44	4,12		4,28
57 237 0				—4,51
5	—5,46	—3,26	—4,03	4,25
10	4,87	3,41	3,20	3,83
15	3,77	2,49	4,75	3,67
20	5,37	5,36	4,31	5,01
25	5,37	5,85	5,09	5,44
30	5,08	4,63	7,33	5,68
35	6,30	6,84		6,57
40	6,67	4,80		6,73
45	5,90	7,82	7,02	6,91
50	7,59	7,09		7,34
55	7,97	7,17		7,57
58 238 0				—8,66
5	—7,12	—7,86		7,49
10	7,29	7,21		7,25
15	6,96	8,34	—6,63	7,31
20	7,14	7,52		7,33
25	7.88	7,18		7,53
30	7,27	7,75	7,41	7,48
35	7,71	8,09		7,90
40	7,84	8,46		8,15
45	8,57	7,64	7,89	8,03
50	7,37	8,48		7,92
55	7,02	7,38		7,20
59 239 0				—7,07
5	—6,18	—6,79		6,48
10	5,63	5,91		5,77
15	4,03	5,94	—4,64	4,88
20	4,79	4,01		4,40
25	4,06	3,29		3,67
30	2,74	4,26	2,21	3,07
35	2,28	2,19		2,24
40	2.34	1,32		1,83
45	0,65	1,78	1,78	1,40
50	1,38	1,45		1,42
55	0,76	1,75		1,26
60 240 0				1,45

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
60 240 0				—1,45	64 244 0				—7,21	68 248 0				—9,67
5	—2,57	—1,30		1,94	5	—7,52	—7,20		7,36	5	—7,70	—8,58	—7,62	7,97
10	2,54	1,70		2,12	10	6,74	6,76		6,75	10	6,98	8,60	8,67	8,08
15	2,53	1,80		2,16	15	5,85	5,26	—6,77	5,96	15	8,52	8,86	8,60	8,66
20	4,16	2,96	—3,42	3,51	20	5,67	5,98		5,32	20	7,37	6,71	7,39	7,16
25	3,50	2,86	3,13	3,16	25	5,48	5,00		5,24	25	7,79	8,41	8,12	8,11
30	4,12	4,09		4,10	30	4,95	3,82	5,55	4,77	30	9,18	7,81	8,98	8,66
35	4,84	4,61		4,72	35	4,19	4,24		4,21	35	9,46	9,44		9,45
40	3,93	4,47		4,20	40	3,76	3,86		3,81	40	9,46	9,22		9,34
45	4,95	4,09		4,52	45	2,90	2,28	3,62	3,93	45	10,48	8,11	9,76	9,45
50	5,74	4,21	5,19	5,05	50	3,62	2,52		3,07	50	9,10	10,13		9,61
55	5,96	4,80	4,97	5,24	55	2,46	1,81		2,13	55	8,19	9,01		8,60
61 241 0				—5,79	65 245 0				—1,55	69 249 0				—7,94
5	—5,95	—5,50		5,72	5	—2,11	—2,20		2,16	5	—7,48	—7,91		7,70
10	5,60	6,31		5,95	10	1,97	1,19		1,58	10	7,07	7,88		7,47
15	6,19	5,45		5,82	15	1,08	2,18		1,63	15	7,00	6,95		6,97
20	6,90	6,28		6,59	20	2,46	1,99		2,23	20	5,99	7,57	—5,49	6,35
25	6,03	6,65		6,34	25	3,99	2,60		3,30	25	5,17	5,76	4,51	5,15
30	6,90	6,15		6,52	30	4,21	4,21		4,21	30	5,07	5,04		5,05
35	7,06	7,57		7,31	35	4,03	4,38		4,21	35	3,76	2,88	2,98	3,21
40	6,44	7,67		7,05	40	4,01	4,81		4,41	40	3,82	2,46	2,58	2,95
45	6,70	5,85		6,27	45	3,79	5,29		4,54	45	4,38	3,09		3,73
50	6,26	6,96		6,61	50	4,87	5,05		4,96	50	3,05	4,33		3,69
55	5,66	6,31		5,98	55	5,25	6,26		5,75	55	1,72	2,89		2,30
62 242 0				—6,15	66 246 0				—6,42	70 250 0				—1,89
5	—5,95	—5,41		5,68	5	—6,44	—7,54		6,99	5	—1,06	—2,08		1,57
10	4,79	5,27		5,03	10	7,16	7,51		7,33	10	2,04	3,27		2,65
15	5,29	5,08		5,18	15	6,81	7,46		7,13	15	2,12	3,14	—2,59	2,62
20	5,58	6,44		6,01	20	7,84	7,94	—6,21	7,33	20	3,40	3,72		3,56
25	5,57	6,65		6,11	25	6,30	7,20	6,38	6,63	25	3,37	3,91		3,64
30	5,82	7,31		6,56	30	7,56	7,56		7,56	30	4,01	3,63	5,14	4,26
35	6,36	5,92		6,14	35	7,38	6,88		7,13	35	4,22	4,16		4,19
40	6,96	6,64		6,80	40	7,10	7,05		7,07	40	4,74	4,81		4,78
45	6,56	6,63		6,60	45	7,40	7,25		7,32	45	4,55	5,13	4,89	4,86
50	7,40	6,90		7,15	50	6,94	6,42		6,68	50	5,51	5,89		5,70
55	7,30	6,95		7,13	55	7,37	7,81		7,59	55	5,77	6,41		6,09
63 243 0				—8,20	67 247 0				—6,90	71 251 0				—5,48
5	—7,99	—7,77		7,88	5	—4,91	—6,13	—6,21	5,75	5	—7,32	—7,25	—6,48	7,02
10	7,98	7,49		7,73	10	5,62	4,61	6,38	5,54	10	7,41	7,17	5,68	6,75
15	8,25	8,12	—6,65	7,67	15	6,35	6,64	5,40	6,13	15	6,45	7,72	5,90	6,69
20	7,21	8,64		7,92	20	6,60	7,16		6,88	20	6,06	6,34		6,20
25	7,40	7,37		7,38	25	8,32	7,35		7,84	25	6,78	6,69		6,73
30	8,15	7,18	7,45	7,59	30	9,51	8,99	8,89	9,13	30	6,67	6,92	6,07	6,55
35	8,42	7,98		8,20	35	7,49	9,43	8,84	8,59	35	6,31	6,29		6,30
40	8,20	8,38		8,29	40	8,15	9,37	8,21	8,58	40	5,83	6,73		6,28
45	9,10	7,49	9,00	8,53	45	8,61	8,08	8,28	8,32	45	6,49	7,21	6,59	6,76
50	7,98	7,66		7,82	50	9,62	8,74		9,18	50	6,98	6,48		6,73
55	7,09	7,08		7,09	55	9,20	8,60		8,90	55	6,69	6,15		6,42
64 244 0				7,20	68 248 0				9,67	72 252 0				5,91

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
72 252 } 0				—5,91	76 256 } 0				—5,18	80 260 } 0				—0,40
5	—5,67	—6,19	—5,94	5,93	5	—4,99	—4,72		4,85	5	+0,52	+0,25		+0,38
10	4,28	4,77	5,07	4,71	10	5,46	6,01		5,73	10	—0,71	—0,09		—0,40
15	5,02	4,77		4,90	15	4,63	5,07	—6,41	5,37	15	1,34	0,73		1,03
20	5,53	5,91		5,72	20	6,41	6,40		6,41	20	1,77	1,79		1,78
25	6,12	6,03		6,07	25	6,11	5,83		5,97	25	1,17	1,75		1,46
30	7,33	6,78		7,05	30	5,79	6,06	6,79	6,21	30	2,58	2,37		2,47
35	7,72	7,64		7,68	35	7,20	6,36		6,78	35	3,89	3,54		3,71
40	7,34	7,38		7,36	40	6,48	6,06		6,27	40	3,31	3,81		3,56
45	7,64	6,69		7,16	45	4,69	5,36	6,47	5,51	45	3,87	3,61		3,74
50	8,52	8,19		8,35	50	5,28	5,52	5,37	5,39	50	4,45	4,69		4,57
55	7,89	7,72		7,80	55	4,49	5,43	5,69	5,20	55	4,70	4,35		4,52
73 253 } 0				—9,15	77 257 } 0				—6,00	81 261 } 0				—5,00
5	—7,84	—8,74		8,29	5	—5,08	—4,03	—4,53	4,55	5	—5,02	—6,30		5,66
10	8,35	8,34		8,34	10	5,01	5,36	4,36	4,91	10	5,03	5,30		5,16
15	7,65	7,96	—7,29	7,63	15	3,90	5,14	4,57	4,53	15	4,86	5,83		5,35
20	7,12	7,46	7,58	7,39	20	5,65	5,14		5,39	20	4,90	5,14		5,02
25	6,76	8,30	6,98	7,35	25	5,53	5,20		5,36	25	4,41	5,29		4,85
30	8,71	8,08	7,04	7,94	30	6,61	7,43	6,69	6,91	30	5,77	5,72		5,74
35	8,14	9,32		8,73	35	7,00	7,55		7,27	35	5,77	5,09		5,43
40	8,60	8,91		8,76	40	7,44	7,89		7,66	40	6,05	4,94		5,50
45	10,36	9,55	8,58	9,50	45	7,21	6,97	6,90	7,03	45	6,37	5,70		6,03
50	9,17	9,90		9.53	50	8,27	7,91		8,09	50	5,78	6,35		6,06
55	8,94	8,01		8,47	55	8,32	7,64		7,98	55	4,98	4,87		4,93
74 254 } 0				—8,17	78 258 } 0				—8,56	82 262 } 0				—4,88
5	—7,93	—7,89	—7,35	7,72	5	—7,87	—7,32		7,60	5	—4,07	—3,91		3,99
10	6,80	5,81	7,14	6,58	10	7,21	6,47		6,84	10	4,35	4,30		4,32
15	7,30	6,08	7,69	7,02	15	6,97	6,78		6,87	15	4,16	4,39	—3,26	3,94
20	6,87	5,31	4,94	5,71	20	6,95	6,52		6,73	20	4,16	3,75		3,96
25	5,82	5,50	5,96	5,76	25	6,94	7,17		7,05	25	5,02	4,10		4,56
30	5,43	4,49	5,01	4,98	30	7,83	7,71		7,77	30	6,89	5,34	4,44	5,56
35	4,21	2,77	3,76	3,58	35	9,30	7,81	—8,21	8,44	35	6,48	6,16		6,32
40	3,74	2,42	2,89	3,02	40	8,37	*6,80	8,55	8,46	40	6,15	6,91		6,53
45	3,46	2,58	2,83	2,96	45	8,49	8,38		8,44	45	7,27	6,44	6,42	6,71
50	2,00	2,54		2,27	50	9,06	8,53		8,79	50	6,92	6,89		6,90
55	1,90	1,02		1,46	55	7,43	7,47		7,45	55	7,43	7,36		7,40
75 255 } 0				—1,04	79 259 } 0				—6,90	83 263 } 0				—8,19
5	—0,80	—2,48	—1,18	1,49	5	—6,86	—5,98		6,42	5	—7,01	—7,80		7,41
10	1,16	2,37	1,13	1,55	10	6,07	5,86		5,96	10	7,46	8,20		7,83
15	1,02	1,63	1,47	1,37	15	6,07	4,27	—6,84	5,73	15	7,95	7,00	—8,90	7,95
20	2,45	1,22		1,83	20	5,37	5,61		5,49	20	7,61	7,70		7,65
25	2,33	2,39		2,36	25	4,26	4,69		4,47	25	7,32	8,35		7,84
30	2,05	1,93	3,10	2,36	30	4,10	2,59	4,73	3,81	30	8,51	7,61	9,21	8,44
35	3,10	2,08		2,59	35	3,39	3,79		3,59	35	8,33	8,94		8,63
40	3,25	3,49		3,37	40	2,88	3,73		3,30	40	8,71	9,09		8,90
45	3,34	2,88	3,39	3,20	45	2,22	1,92	2,66	2,27	45	8,92	7,57	8,97	8,49
50	4,75	3,56		4,16	50	1,28	2,28		1,78	50	8,54	7,67		8,10
55	4,94	4,47		4,70	55	1,29	1,69		1,49	55	7,79	7,95		7,87
76 256 } 0				5,18	80 260 } 0				0,40	84 264 } 0				7,08

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
84 } 264 } 0				—7,08	88 } 268 } 0				—7,71	92 } 272 } 0				—5,65
5	—7,38	—6,29		6,83	5	—7,17	—7,50		7,33	5	—6,20	—5,53		5,86
10	6,39	5,09		5,74	10	6,29	7,05		6,67	10	5,95	5,01		5,48
15	5,80	5.81		5,80	15	7,09	7,49	—6,12	6,90	15	5,50	5,70		5,60
20	5,49	4,68		5,08	20	6,23	7,49		6,86	20	5,61	5,77	—5,17	5,52
25	5,02	4,61		4,81	25	6,50	7,04		6,77	25	5,91	6,04	5,49	5,81
30	4,92	3.59		4,25	30	8,28	7,18	6,83	7,43	30	7,49	6,94		7,21
35	2,90	3,83		3,36	35	7,25	7,71		7,48	35	7,46	8,01		7,73
40	2,54	3,21		2,87	40	8,26	8,59		8,42	40	6,96	6,92		6,94
45	1,89	2,88		2,38	45	8,96	7,21	9,09	8,42	45	6,68	7,73		7,20
50	2,40	1,39		1,90	50	8,27	8,33		8,30	50	7,39	8,44	8,51	8,11
55	1,48	1,05		1,26	55	7,11	7,34		7,22	55	7,73	9,18	8,81	8,57
85 } 265 } 0				—0,31	89 } 269 } 0				—7,10	93 } 273 } 0				—9,07
5	—0,64	+0.49		0,07	5	—6,56	—6,67		6,62	5	—8,70	—8,35		8,52
10	1,17	—0,66		0,91	10	6,13	6,24		6,19	10	8,48	8,23		8,35
15	0,66	2,37	—1,77	1,60	15	5,34	5,17		5,25	15	7,28	6,58	—7,76	7,21
20	1,59	1,93		1,76	20	5,22	4,99		5,11	20	7,01	8,05		7,53
25	1,54	2,11		1,83	25	3,99	4,43		4,21	25	7,51	8,79		8,15
30	1,37	2,53	2,48	2,13	30	4,69	3,94		4,31	30	8,65	7,20	8,85	8,23
35	3,24	2,26		2,75	35	4,08	3,44		3,76	35	8,24	8,13		8,19
40	2,09	2,19		2,14	40	4,05	2,73		3,39	40	8,36	7,83		8,10
45	2,82	3,90	3,15	3,29	45	2,58	1,86		2,22	45	8,91	7,06	9,14	8,37
50	3,62	2,79		3,21	50	2,10	2,31		2,21	50	9,22	8,30		8,76
55	3,29	3,43		3,36	55	1,29	1,95		1,62	55	7,92	7,94		7,93
86 } 266 } 0				—4,02	90 } 270 } 0				—0,63	94 } 274 } 0				—7,62
5	—5,28	—5,92		5,60	5	—0,82	—0,59		0,71	5	—7,09	—6,27		6,68
10	4,59	4,61		4,60	10	0,21	0.40		0,30	10	6,26	5,67		5,96
15	5,00	4,49		4,75	15	0,47	0,94		0,70	15	6,11	5,86		5,98
20	5,32	4,96		5,14	20	*3,63	1,17	—1,66	1,41	20	6,05	4,89		5,47
25	5,79	4,67		5,23	25	3,20	1,47	0,67	1,78	25	4,86	4,95		4,90
30	4,33	5.00		4,67	30	2,26	2,50		2,38	30	4,41	3,94		4,17
35	5,59	4,79		5,19	35	3.57	1,90	2,45	2,64	35	4,05	3,33		3,69
40	4,41	4,41		4,41	40	2,45	2,76	2,86	2,69	40	3,82	2,58		3,20
45	4,71	5,37		5,04	45	2,80	3,17		2,98	45	2,60	1,87		2,24
50	5,14	5,30		5,22	50	3,80	4,01		3,91	50	1,99	3,02	—1,84	2,28
55	5,14	4,62		4,88	55	4,82	4,70		4,76	55	1,30	*3,11	1,24	1,27
87 } 267 } 0				—4,69	91 } 271 } 0				—4,59	95 } 275 } 0				—0,45
5	—4,38	—3,64		4,01	5	—5,16	—4,53		4,84	5	—1,76	—0,95		1,35
10	3,48	3,54		3,51	10	4,29	4,52		4,41	10	0,93	1,20		1,06
15	3,62	4,45		4,03	15	4,23	4,19		4,21	15	1,55	0,92	—1,27	1,25
20	4,10	4,57		4.33	20	4,64	4,51	—5,15	4,77	20	2,76	1,63		2,19
25	4,53	5,92		5,22	25	3,62	5,10	4,30	4,34	25	2,28	2,81		2,55
30	5,90	6,02		5,96	30	5,73	5,05		5,39	30	3,15	1,90	2,29	2,45
35	5,25	5,48		5,36	35	5,50	5.76		5,63	35	3,59	2,90		3,24
40	5,60	5,90		5,75	40	5,20	5,93		5,56	40	3,49	2.75		3,12
45	5,73	5,74		5,74	45	5,67	6,06		5,86	45	3,69	2,07	2,91	2,89
50	6,54	7,13		6,83	50	6,46	5,84		6,15	50	3,84	3,30		3,57
55	7,04	7,15		7,10	55	6,21	5,87		6,04	55	3,69	4,50		4,09
88 } 268 } 0				7,71	92 } 272 } 0				5,65	96 } 276 } 0				4,24

* Omitted.

Error of each Division of the Madras Mural Circle.

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
96 276 0				−4,24
5	−4,71	−5,29		5,00
10	3,68	4,99		4,34
15	5,05	4,22		4,64
20	3,83	5,16		4,50
25	4,77	5,13		4,95
30	5,41	4,51		4,96
35	5,00	6,00		5,50
40	4,49	5,34		4,91
45	5,07	3,89		4,48
50	4,03	4,20		4,12
55	3,53	4,06		3,80
97 277 0				−4,33
5	−3,77	−3,47		3,62
10	3,22	3,82		3,52
15	3,64	4,57		4,11
20	4,38	4,60		4,49
25	5,00	4,83		4,92
30	5,46	5,96		5,71
35	5,79	5,34		5,56
40	5,03	5,32		5,17
45	5,02	5,40		5,21
50	5,82	5,47		5,64
55	6,02	5,87		5,95
98 278 0				−7,33
5	−6,17	−7,34		6,75
10	6,02	7,05		6,52
15	5,88	6,69	−7,56	6,71
20	7,73	6,65		7,19
25	6,78	7,03		6,91
30	*4,99	6,31	7,34	6,82
35	6,63	7,38		7,00
40	6,74	7,33		7,03
45	7,09	7,42	8,12	7,54
50	8,34	6,94		7,64
55	7,49	6,29		6,89
99 279 0				−5,84
5	−7,11	−5,73	−7,33	6,72
10	5,08	4,41	6,76	5,42
15	4,38	4,42	3,81	4,20
20	3,33	3,48		3,41
25	3,10	2,45		2,78
30	2,07	3,70	2,88	2,88
35	1,99	1,54		1,76
40	2,15	2,15		2,15
45	1,51	2,68	1,84	2,01
50	1,82	1,69		1,75
55	0,48	1,47		0,98
100 280 0				0,85

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
100 280 0				−0,85
5	−1,89	−1,12	−2,37	1,79
10	1,98	0,29	1,89	1,39
15	0,43	0,40		0,41
20	1,10	+0,18	0,89	0,60
25	1,64	+0,27*	2,41	2,03
30	2,26	−2,21		2,24
35	2,72	2,20		2,46
40	3,24	2,56		2,90
45	3,39	3,46		3,42
50	4,14	4,65		4,40
55	4,86	4,74		4,80
101 281 0				−4,67
5	−5,07	−5,15		5,11
10	5,17	4,49		4,83
15	4,55	4,10	−5,46	4,69
20	4,19	5,13		4,66
25	4,81	6,03		5,42
30	5,33	5,93	5,65	5,64
35	5,60	6,00		5,80
40	5,62	5,87		5,75
45	6,60	4,81	4,74	5,38
50	5,18	6,31		5,75
55	5,23	5,85		5,54
102 282 0				−5,43
5	−5,10	−4,15		4,62
10	4,82	3,51		4,16
15	5,18	4,42	−4,00	4,53
20	5,11	5,61		5,36
25	5,34	5,14		5,24
30	*8,34	5,92	6,52	6,22
35	6,66	6,09		6,37
40	7,20	6,97		7,08
45	7,89	6,31	6,46	6,89
50	7,21	8,34		7,77
55	7,93	8,30		8,11
103 283 0				−9,15
5	−8,85	−8,88		8,86
10	8,05	8,27		8,16
15	7,84	8,65	−7,36	7,95
20	8,10	8,36		8,23
25	7,62	8,16		7,89
30	9,63	8,10	7,68	8,47
35	8,41	8,86		8,63
40	8,50	9,00		8,75
45	9,31	7,70	8,19	8,40
50	8,53	8,52		8,52
55	7,87	7,23		7,55
104 284 0				7,80

Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″
104 284 0				−7,80
5	−8,07	−7,90		7,98
10	7,24	6,81		7,02
15	6,71	6,41		6,56
20	5,24	4,11		4,67
25	4,82	3,45		4,14
30	4,03	4,08		4,05
35	3,51	4,00		3,75
40	2,86	3,86		3,36
45	2,99	3,64		3,31
50	2,57	2,91		2,74
55	2,54	2,56		2,55
105 285 0				−0,71
5	−1,33	−0,71		1,02
10	1,25	0,87		1,06
15	1,17	1,38		1,27
20	2,46	1,93	−3,38	2,59
25	2,66	1,29	3,09	2,35
30	2,99	3,61		3,30
35	3,82	3,00		3,41
40	4,89	4,51		4,70
45	5,20	3,73		4,46
50	5,19	4,47		4,83
55	5,02	4,13		4,57
106 286 0				−5,79
5	−5,33	−6,58		5,95
10	5,52	6,57		6,04
15	5,27	5,24		5,26
20	6,28	*4,69	−6,38	6,33
25	6,30	*4,88	5,29	5,80
30	6,88	6,23		6,56
35	6,21	5,97		6,09
40	6,86	5,49		6,17
45	6,19	6,01		6,10
50	6,45	5,78		6,11
55	6,00	5,42		5,71
107 287 0				−5,90
5	−4,60	−5,37		4,98
10	4,70	4,53		4,61
15	4,57	4,62		4,60
20	4,56	3,38	−5,95	4,63
25	4,62	5,71	5,19	5,17
30	6,74	6,14		6,44
35	6,93	7,23		7,08
40	7,03	7,22		7,12
45	7,01	6,51		6,76
50	7,72	8,28	7,63	7,88
55	6,58	8,71	7,26	7,52
108 288 0				8,58

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
108 288 0				—8,58	112 292 0				— 6,26	116 296 0				[illegible]
5	—7,92	—8,17		8,05	5	— 6,14	— 6,44		6,29	5	—5,07	— 5,06		5,06
10	7,16	8,16		7,66	10	6,46	5,87		6,16	10	5,72	5,22		5,47
15	7,87	7,67	—7,52	7,65	15	6,91	5,47		6,19	15	5,38	5,67	—5,69	5,48
20	7,04	7,50		7,27	20	5,66	5,69	—6,64	6,00	20	5,42	6,16		5,79
25	8,13	8,56		8,34	25	7,82	6,65	7,50	7,32	25	5,15	5,79		5,47
30	9,61	7,96	8,56	8,71	30	7,61	8,09		7,85	30	5,15	6,73	5,77	5,88
35	9,41	8,81		9,11	35	7,62	8,44		8,03	35	6,63	5,43		6,03
40	9,06	8,67		8,86	40	8,40	9,03		8,71	40	6,94	6,68		6,81
45	8,70	8,70	9,05	8,62	45	9,36	8,40		8,88	45	6,37	6,99	6,40	6,59
50	9,03	8,36		8,70	50	9,44	9,02	9,52	9,33	50	5,90	6,17		6,03
55	8,09	7,05		7,57	55	8,15	9,42	8,57	8,71	55	6,07	5,80		5,93
109 289 0				—7,54	113 293 0				—10,16	117 297 0				—5,62
5	—6,90	—7,45		7,17	5	—10,06	—10,41		10,23	5	—5,80	— 5,21		5,51
10	7,06	7,26		7,16	10	9,30	10,15		9,72	10	5,55	5,83		5,69
15	6,48	6,35		6,41	15	11,41	10,29		10,85	15	5,42	5,09	—7,21	5,91
20	5,98	6,19		6,08	20	10,66	9,76	— 10,67	10,37	20	7,36	6,63		6,99
25	5,35	5,93		5,64	25	10,12	8,56	10,80	9,83	25	7,26	7,05		7,16
30	4,87	4,67		4,77	30	9,47	9,97		9,72	30	7,70	8,49	8,89	8,36
35	4,02	4,40		4,21	35	9,08	9,15		9,11	35	9,28	7,62	9,10	8,67
40	3,32	3,24		3,28	40	9,33	9,02		9,17	40	9,11	7,97	9,54	8,87
45	3,31	2,83		3,07	45	9,62	10,60		10,11	45	*6,74	8,24	8,31	8,28
50	2,10	2,45		2,27	50	9,82	9,81		9,81	50	9,58	9,16		9,37
55	1,93	1,27		1,60	55	9,47	9,49		9,48	55	9,23	9,29		9,26
110 290 0				—0,90	114 294 0				— 8,93	118 298 0				—9,83
5	—1,30	—1,43		1,36	5	— 9,03	— 8,35		8,69	5	—9,02	—10,35		9,68
10	0,90	2,36		1,63	10	8,03	8,27		8,15	10	8,95	9,47		9,21
15	0,93	2,13	—1,86	1,64	15	7,58	7,88		7,73	15	8,19	8,17	—8,81	8,39
20	2,77	2,49		2,63	20	6,90	6,43		6,66	20	8,31	8,23		8,27
25	2,90	3,19		3,04	25	6,27	6,08		6,17	25	7,69	8,47		8,08
30	2,07	4,17	3,02	3,09	30	5,74	5,34		5,54	30	8,71	7,87	8,04	8,21
35	3,75	2,87		3,31	35	4,62	5,39	—5,56	5,19	35	7,93	8,67		8,30
40	3,56	3,40		3,48	40	3,21	4,99	4,12	4,11	40	9,09	9,44		9,26
45	4,05	4,40	3,72	4,06	45	3,64	3,34		3,49	45	8,93	8,56	8,92	8,80
50	3,85	4,59		4,22	50	2,78	3,52		3,15	50	8,98	8,47		8,72
55	5,07	5,13		5,10	55	2,36	2,90		2,63	55	8,21	8,58		8,39
111 291 0				—5,78	115 295 0				— 1,69	119 299 0				—8,15
5	—5,78	—6,53		6,15	5	— 1,60	— 1,07		1,33	5	—8,18	— 9,19		8,68
10	5,98	6,03		6,00	10	1,81	0,65		1,23	10	7,41	7,78		7,60
15	6,16	6,70		6,43	15	1,01	1,63		1,32	15	6,51	6,59	—6,80	6,63
20	7,16	6,18		6,67	20	1,19	2,62		1,90	20	5,72	6,99		6,35
25	6,39	6,43		6,41	25	1,65	2,51		2,08	25	5,06	4,20		4,63
30	6,00	6,77		6,38	30	2,48	2,73		2,61	30	4,87	4,28	3,45	4,20
35	7,06	7,63		7,35	35	2,60	3,82		3,21	35	2,21	3,42	3,69	3,11
40	8,04	7,18		7,61	40	3,74	3,47		3,61	40	2,42	4,04	3,33	3,26
45	7,18	7,59		7,38	45	3,85	3,12		3,48	45	2,68	2,07	2,15	2,30
50	6,51	6,42		6,46	50	3,27	3,82		3,55	50	1,45	1,02		1,23
55	5,88	6,47		6,17	55	4,32	4,66		4,49	55	1,08	1,63		1,35
112 292 0				6,26	116 296 0				4,71	120 300 0				1,60

* Omitted.

Error of each division of the Madras Mural Circle.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
120 } 300 } 0				—1,50	124 } 304 } 0				—7,63	128 } 308 } 0				—7,27
5	—1,84	—2,56		2,20	5	—7,15	—8,18		7,66	5	—6,72	—7,43		7,08
10	2,28	2,66		2,47	10	6,72	6,78		6,75	10	6,04	6,54		6,29
15	1,64	2,96	—1,46	2,02	15	6,29	6,60		6,44	15	5,99	6,04	—6,12	6,05
20	2,75	3,70		3,22	20	5,43	6.12		5,77	20	6,78	6,53	5,71	6,34
25	2,72	3,47		3,09	25	4,51	4,91		4,71	25	7,16	5,56	5,17	5,96
30	2,97	3,62	3,47	3,35	30	4,25	4,32		4,29	30	6,67	6.62	6,32	6,54
35	3,77	4,80		4,28	35	4,27	3,46		3,86	35	6,78	7,93	6,56	7,09
40	3,89	4,66		4,27	40	3,12	3,13		3,12	40	6,09	6,47	7,58	6,71
45	3,35	2,33	3,68	3,12	45	1,80	2,89		2,34	45	5,99	*9.34	6,52	6,26
50	3,49	3,18		3,33	50	1,88	1,85		1,86	50	7,20	6,68		6,94
55	4,36	4,13		4,24	55	1,12	1,21		1,16	55	6,69	6,65		6,67
121 } 301 } 0				—4,23	125 } 305 } 0				—0,76	129 } 309 } 0				—6,32
5	—6,36	—5,58		5,97	5	—0,46	+1,04	+0,94	+0,51	5	—6,85	—6,38		6,61
10	5,29	5,28		5,28	10	0,21	+0,64	+0,28	+0,24	10	5.23	5,54		5,38
15	4,94	5 02	—5,09	5,02	15	0,05	+0,52		+0,23	15	6,00	4,92		5,46
20	5,30	4,82		5,06	20	1,38	0,88		—1,13	20	4,26	4,37		5,31
25	5,88	5,33		5,60	25	0,74	1,14		0,94	25	3,12	4,18		3,65
30	5,51	5,66	4,76	5,31	30	1,89	—1,51		1,70	30	3,58	3,78		3,68
35	6,34	5,93		6,14	35	3,18	*0,36	—2,58	2,88	35	4,28	3,05		3,67
40	6,06	6,86		6,45	40	2,55	*0,37	—2,80	2,67	40	2,59	2,77		2,68
45	5,37	6,85	5,26	5,83	45	2,33	2,93		2,63	45	2,56	2,53		2,54
50	5,66	5,45		5.56	50	3,21	3,34		3,28	50	2,28	1,65		1,96
55	4,95	5,57		5,26	55	4,59	4,65		4,62	55	1,73	0,66		1,20
122 } 302 } 0				—5,34	126 } 306 } 0				—5,06	130 } 310 } 0				—0,83
5	—4,77	—4,62	—4,15	4,51	5	—5,18	—4,24		4,71	5	—1,99	—1,61		1,80
10	5,35	3,35	4,51	4,40	10	5,21	4,82		5,02	10	2,60	2,39		2,49
15	4,82	3,44	4,69	4,32	15	4,13	5,96	—5,81	5,30	15	2,51	2,16	—1,67	2,11
20	5,26	5,12		5,19	20	5,46	5,20		5,33	20	3,88	2,91		3,40
25	5,99	6,02		6.00	25	5,18	5,10		5,14	25	2,94	3,91		3,42
30	7,81	5,49	5,50	6,27	30	4,75	5,47	6,24	5,15	30	4,39	2,84	3,17	3,47
35	6,56	6,70		6,63	35	4,88	4,29		4,58	35	4.94	2,85	4,96	4,25
40	7.52	6,78		7,15	40	5 41	5,04		5,22	40	5,07	4,08	4,30	4,38
45	6,99	6,49	8,04	7,17	45	4,72	5,42	5,71	5,28	45	5,42	4,27	4,40	4,70
50	7,88	7,31		7,60	50	5,52	5,24		5,38	50	4,56	4,28		4,42
55	7,88	8,24		8,06	55	5,35	3,91		4,63	55	4,78	4,91		4,84
123 } 303 } 0				—8,88	127 } 307 } 0				—4,58	131 } 311 } 0				—5,40
5	—7,73	—8,12		7,92	5	—3,37	—4,71		4,04	5	—5,29	—5,21		5,25
10	7,99	8,51		8,25	10	3,21	4,68		3,94	10	5,38	5,37		5,37
15	8,27	6,87	—7,35	7,50	15	3,41	2,33	—3,13	2,96	15	5,06	5,01		5,03
20	*9,07	7,17	7,52	7,35	20	3,76	4,21	4,04	4,00	20	6,31	5,76		6,03
25	7,54	8.09	6,39	7,34	25	3,38	4,91	4,82	4,37	25	6,29	6,24		6,26
30	7,36	7,24	8,52	7,71	30	5,15	5,93	5,13	5,40	30	5,97	6,77		6,37
35	7,83	8,36		8,09	35	5,43	6,14	5,73	5,77	35	7,25	7,03		7,14
40	7,69	8,26		7,97	40	5,71	5,78	5,40	5,63	40	6,52	6,69		6,60
45	8,25	7,95	8,40	8,20	45	5,28	5,78	5,82	5,63	45	7,48	7.13		7,30
50	7,66	7,79		7,71	50	5,88	6,26	6,78	6,31	50	7,32	7,96		7,64
55	7,77	7,63		7,70	55	6,87	6,79	7,20	6,95	55	6,20	6,72		6,46
124 } 0 304 }				—7,63	128 } 0 308 }				7,27	132 } 0 312 }				5,93

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
132 } 312 } 0				—5,93	136 } 316 } 0				— 5,77	140 } 320 } 0				—1,53
5	—4,63	—5,58		5,10	5	— 5,25	—6,38		5,81	5	—1,59	—0,43		1,01
10	4,63	5,78		5,20	10	7,23	7,49		7,36	10	1,05	1,08		1,06
15	5,05	5,61		5,33	15	7,38	6,56	—6,46	6,80	15	1,48	1,52	—0,37	1,12
20	5,13	5,76		5,44	20	7,43	6,86		7,14	20	0,91	1,61		1,26
25	7,53	6,50		7,01	25	6,75	6,36		6,56	25	1,85	2,69		2,27
30	7,97	7,30		7,63	30	8,39	6,91	6,06	7,12	30	3,33	2,71	2,31	2,78
35	8,16	7,54		7,85	35	8,10	6.86	7,08	7,35	35	3,73	3,20		3,46
40	7,74	6,70		7,22	40	8,42	6,86	7,24	7,51	40	3,78	3,82		3,80
45	7,54	6 98		7,26	45	7,60	7,25	6,76	7,20	45	3,63	5,00	3,19	3,94
50	8,28	8,43		8,35	50	6,86	6,38		6,62	50	4,54	4,48		4,51
55	8,85	7,84		8,34	55	6,48	7,06		6,77	55	4,54	4,38		4,46
133 } 313 } 0				—9,16	137 } 317 } 0				— 6,95	141 } 321 } 0				—5,18
5	—9,56	—8,95		9,25	5	— 6.00	—5,97		5,98	5	—5,19	—6,34		5,76
10	8,56	8,23		8,40	10	6,40	5.99		6,20	10	5,05	5,96		5,51
15	6,93	9,58	—9,19	8,67	15	5,54	5,55	*—4,85	5,55	15	4,96	6,08		5,52
20	8,45	9,02		8,73	20	6,88	6,55		6,71	20	6,70	6,61		6,66
25	8,19	7,88		8,03	25	6,36	7,35		6,86	25	5,88	6,16		6,02
30	7,26	9,46	8,42	8,38	30	7,39	8,31	8,26	7,99	30	6,04	7,09		6,56
35	9,74	9.34		9,54	35	7,76	8,22		7,99	35	6,77	6,04		6,41
40	8,96	9,36		9,16	40	7,28	7,95		7,61	40	6,29	6,27		6,28
45	8,93	9,88	9,76	9,52	45	7,33	8,51	8,11	7,98	45	5,72	6,19		5,95
50	8.76	8,56		8,66	50	9,62	9,64		9,63	50	6 52	5,65		6.08
55	8,56	7,96		8,26	55	8,60	8,71		8,65	55	5,82	5,35		5,58
134 } 314 } 0				—7,40	138 } 318 } 0				— 9,72	142 } 322 } 0				—6,00
5	—8,18	—8,41		8,29	5	—10.54	—9,59		10,06	5	—4,73	—3,81		4,27
10	7,81	7,28		7,54	10	9,61	8,80		9,20	10	5,16	4,63		4,90
15	5,98	7 00		6,49	15	7,88	9,20	—9,55	8,88	15	5,67	5,01		5,34
20	6,35	6.55	—5,76	6,22	20	8,88	9,04		8,96	20	6,20	6,11		6,15
25	4,02	4,97	5,37	4,79	25	8,68	8,66		8,67	25	5.65	6,04		5,84
30	4,46	5,21		4,83	30	9,09	8,69	8,39	8,72	30	7.70	6,63		7,16
35	3.90	3,02	4,29	3,74	35	9,48	9,64		9,56	35	6,67	7.09		6,88
40	3,22	*1,46	3,34	3,28	40	9.23	9.96		9,60	40	7.59	6,72		7,16
45	2,24	2,36		2,30	45	8.85	8,92	8,72	8,83	45	6,72	6,59		6,65
50	0,59	1,87	3,00	1,82	50	8,74	8,30		8,52	50	8.62	7,97		7,30
55	0,87	1,29	2,20	1,45	55	9,19	7,82		8,50	55	7,93	8,08		8,01
135 } 315 } 0				—1,56	139 } 319 } 0				— 8,10	143 } 323 } 0				—8,50
5	—2,46	—1,70		2,08	5	— 7,44	— 8.06		7,75	5	—6,53	—7,95	—6,92	7,13
10	2,32	2,63		2,47	10	7,23	7,81		7,52	10	6.96	7,75	6,74	7,15
15	3.35	2,40		2,87	15	8,71	7,17	—6,68	7,52	15	6.66	7.03		6,84
20	3,04	2.88		2,96	20	5,56	5,69		5,62	20	7,88	6,90		7,39
25	3,05	3,55		3,30	25	4,94	5.01		4,98	25	7,28	7,51		7,40
30	3,74	4,59		4,16	30	6,37	4,74	4,71	5,27	30	* 8,02	8,52		8,27
35	4,65	5,12		4,89	35	4,08	4,14		4,11	35	7,45	7,95		7,70
40	4,39	4,68		4,53	40	4 66	4,76		4,71	40	8.03	7.43		7,73
45	5,43	4,93		5,18	45	4.18	3.06	3,54	3,59	45	7,93	8,10		8,01
50	4,63	5,68		5,15	50	2,55	3,17		2,86	50	6,84	8,92	7,32	7,69
55	5,23	5,98		5,60	55	2,86	2,00		2.43	55	5,51	7,36	6,63	6.50
136 } 316 } 0				5,77	140 } 320 } 0				1,73	144 } 324 } 0				6,34

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
144 } 324 } 0				—6,34	148 } 328 } 0				—8,21	152 } 332 } 0				—6,39
5	—5,50	—6,42		5,96	5	—7,70	—8,60		8,15	5	—5,11	—5,42		5,26
10	5,92	5,50		5,71	10	7,79	7,59		7,69	10	4,94	5,20		5,07
15	4,78	4,65	—5,06	4,83	15	6,07	7,35	—7,23	6,88	15	5,47	5,07	—4,95	5,16
20	3,68	4,71		4,20	20	7,68	7,33		7,51	20	4,78	4,40		4,59
25	3,78	3,05		3,41	25	8,07	7,48		7,77	25	5,71	5,84		5,77
30	1,47	3,02	3,41	2,63	30	6,29	8,39	7,87	7,52	30	6,86	7,01	7,51	7,13
35	1,75	1,80		1,77	35	8,21	7,61		7,91	35	6,64	7,49		7,06
40	2,17	1,67		1,92	40	8,60	7,70		8,15	40	6,74	7,04		6,89
45	1,06	1,63	1,03	1,24	45	8,05	8,53	8,14	8,24	45	6,34	6,44	7,32	6,70
50	0.71	0.71		0,71	50	9,13	7,38	8,63	8,38	50	8,89	7,35	8,46	8,23
55	0,33	0,98		0,65	55	8,12	6,72	6,87	7,24	55	8,54	8,01	8,52	8,36
145 } 325 } 0				—1,15	149 } 329 } 0				—7,06	153 } 333 } 0				—9,28
5	—1,03	—1,14		1,08	5	—7,29	—6,80		7,04	5	—8,04	—8,49		8,26
10	0,65	1,34		1,00	10	6,82	6,05		6,43	10	8,46	7,10		7,78
15	0,81	0,85		0,83	15	6,42	6,37		6,40	15	8,46	7,58		8,02
20	1,22	1,51		1.36	20	5,49	5,70		5,60	20	7,85	8,84	—7,65	8,11
25	1,82	1,73		1,78	25	4,57	5,46		5.02	25	7,68	9,36	7,78	8,27
30	1,83	2,60		2,21	30	3,74	4,39		4,06	30	8,59	7,94		8,26
35	2,74	2.85		2,79	35	2,61	4,30	—2,64	3,18	35	8,97	8,21		8,59
40	2,61	2,35		2,48	40	2,82	3,38	3,08	3,09	40	8,89	9,11		9,00
45	3,34	3,15		3,24	45	2,16	3,20		2,67	45	8,37	9,04		8,70
50	4,36	3,69		4,02	50	1,67	2,97		2,32	50	8,95	9,35		9,15
55	4,48	3,54		4,01	55	1,52	2,22		1,87	55	8,20	8,25		8,22
146 } 326 } 0				—4,90	150 } 330 } 0				—2,07	154 } 334 } 0				—8,65
5	—6,32	—5,37		5,84	5	—1,90	—1,48		1,69	5	—8,13	—9,11		8,62
10	5,72	5,79		5,75	10	2,33	2,45		2,39	10	7,46	8,32		7,89
15	5,49	5,51		5,50	15	1,92	1,61		1,76	15	6,44	7,86	—6,96	7,09
20	5,35	6,20		5,77	20	2,54	0,74	—3,23	2,17	20	5,73	6,35		6,04
25	6,34	6,45		6,40	25	3,63	2,27	3,34	3,08	25	4,58	5,26		4,92
30	7,53	6,25		6,89	30	3,92	3,70		3,81	30	4,79	3,12	4,31	4,07
35	6,30	6,74		6,52	35	4,31	4,02		4,16	35	3,31	2,78		3,04
40	6,40	6,05		6,22	40	5,20	4,89		5.04	40	2,25	1,58		1,91
45	6,76	6,57		6,66	45	4,87	3,54		4,20	45	3,08	0,78	1,07	1,64
50	6,82	6,54		6,68	50	3,41	4,43		3.92	50	2,09	1,49		1,79
55	6,19	6,42		6,30	55	4,71	5,40		5,05	55	1,33	1,04		1,18
147 } 327 } 0				—5,40	151 } 331 } 0				—5,07	155 } 335 } 0				—1,03
5	—4,73	—4,61		4,67	5	—5,32	—6,22		5,77	5	—1,08	—1,46		1,27
10	4,26	4,08		4,17	10	5,26	5,27		5,26	10	1,87	1,24		1,56
15	4,49	4,43	—4,84	4,59	15	4,95	5,46		5,21	15	2,61	1,43		2,02
20	5,13	5,63		5,38	20	5,37	4,28		4,82	20	1,49	1,74		1,61
25	6,26	7,01		6,63	25	5,43	4,79		5.11	25	2,80	1,55		2,17
30	7,83	8,21	7,96	8,00	30	5,23	5,66		5.44	30	2,79	1,94		2,37
35	7,61	8,96		8,28	35	6,09	6,27		6,18	35	3,71	3,32		3,51
40	7,97	8,32		8,14	40	5,88	5,80		5,84	40	3,49	3,07		3,28
45	6,42	8,24	7,17	7,28	45	5,46	6,40		5,93	45	3,52	3,74		3,63
50	8,31	8,19		8,25	50	6,15	7,43		6,79	50	4.23	4,22		4,22
55	7,83	7,35		7,59	55	5,97	7,13		6,55	55	5,49	6,11		5,80
148 } 328 } 0				8,21	152 } 332 } 0				6,39	156 } 336 } 0				5,29

Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean.
° ′	″	″	″	″	° ′	″	″		″	° ′	″	″	″	″
156 } 336 } 0				— 5,29	160 } 340 } 0				—0,99	164 } 344 } 0				—6,56
5	—5.44	— 5,62		5,53	5	—0,34	—1,69		1,01	5	—5,31	—6,04		5,67
10	6,18	6,75		6,46	10	0,50	0,99		0,74	10	4,95	5,22		5,08
15	*7,74	5.83	—5,82	5,83	15	0,31	0,88		0,60	15	4,89	4,52		4,70
20	5,42	5,62		5,52	20	0,98	0,98		0,98	20	4,33	3,65		3,99
25	5,12	5,72		5,42	25	1,60	1,56		1,58	25	3,70	4,04		3,87
30	*7,40	5.93	5,10	5,51	30	1,63	2,73		2,18	30	3,82	2,54		3,18
35	4,78	6,78	5,61	5,72	35	3,84	3,19		3,51	35	2,24	2,04		2,14
40	5,25	6,60	6,76	6,20	40	4,01	3,26		3,63	40	2,19	1,80		2,00
45	7,25	6,57	5,88	6,57	45	3,30	4,05		3,67	45	1,90	1,70		1,80
50	8,28	6,25	6,49	7,01	50	4,48	3,20		3,84	50	1,14	0,91		1,02
55	6,60	5,83	6,31	6,25	55	4,70	5,08		4,89	55	0,83	0,38		0,61
157 } 337 } 0				— 6,51	161 } 341 } 0				—5,31	165 } 345 } 0				—0,32
5	—5,61	— 5.71		5,66	5	—5,27	—5,72		5,49	5	—0,56	—1,44		1,00
10	4,57	5,71		5,14	10	5,88	5,63		5,75	10	1,54	1,36		1,45
15	4,20	5,19	—4,32	4,57	15	5,37	5,61		5,49	15	0.93	1,00	—0,85	0,93
20	5,37	4,87		5,12	20	5,09	5,39		5,24	20	1,14	1,25		1,20
25	5,38	5,23		5,30	25	5,60	4,94		5,27	25	0,91	1,38		1,14
30	6,64	7,32	7,28	7,08	30	5,44	5,57		5,50	30	2,79	1,44	1,23	1,82
35	7.46	7,30		7,38	35	5.82	6,22		6,02	35	3,13	2,17		2,65
40	7,65	7,22		7,44	40	5,99	5,79		5,89	40	2,50	2,32		2,41
45	6.08	7,20	7,20	6,83	45	5,40	5,52		5,46	45	2,65	1,62	2,37	2,21
50	8,24	7,89		8,06	50	4,81	5,68		5,24	50	3,43	3,28		3,35
55	7,11	7,76		7,43	55	4,37	5,65		5,01	55	3,89	3,80		3,84
158 } 338 } 0				— 8,32	162 } 342 } 0				—4,77	166 } 346 } 0				—4,31
5	—7,59	— 8,81		8,20	5	—3,57	—4,51		4,04	5	—4,96	—5,08		5,02
10	7,42	7 65		7,53	10	3,77	4,64		4,21	10	4,92	5,45		5,18
15	7,06	7,82		7,44	15	4,08	3,95		4,02	15	4,74	6,05	—5,01	5,27
20	6,48	7,49		6,98	20	4,13	4,53		4,33	20	5,11	5,40		5,25
25	6,71	7,41		7,06	25	5,60	5,99		5,80	25	5.41	5,48		5,44
30	8,11	7,28		7,70	30	6,54	5,68		6,11	30	4,22	5,10	5,52	4,95
35	7,83	7.81		7,82	35	5.99	6,79		6,39	35	4.57	4.65		4,61
40	8,31	8,93		8,62	40	5.98	7,13		6,55	40	4,03	4,85		4,44
45	9,05	8,13		8,59	45	6,30	5,82		6,06	45	4,65	4,69	5,07	4,80
50	9.31	10,47	—10,42	10,07	50	7,34	7,51		7,42	50	3,96	4,31		4,14
55	7,82	9,30	8,90	8,67	55	6,72	7,41		7,06	55	3,82	3,52		3,67
159 } 339 } 0				— 7,59	163 } 343 } 0				—7,90	167 } 347 } 0				—4,58
5	—7,30	— 8,47	— 8,30	8,02	5	—7,27	—7,25		7,26	5	—3,24	—4,71		3,97
10	7,26	8,60	6,66	7,51	10	7,14	6,91		7,02	10	3,16	3,29		3,22
15	6,88	6,36		6,62	15	6,83	6,79		6,81	15	3,74	3.06	—3,90	3,57
20	5,27	6,39		5,83	20	6,81	6,64		6,73	20	3,99	4 10		4,04
25	4,67	5,06		4,87	25	7,40	6,82		7,11	25	5,33	4,97		5,15
30	5.16	4.89		5,02	30	7,21	7,48		7,35	30	5,05	4,45	6,67	5,39
35	3,76	3,39		3,57	35	6,87	7,22		7,05	35	5,85	5,00		5,42
40	3,19	3,66		3.42	40	7,53	7,89		7,71	40	6,70	6,40		6,55
45	2,60	1,76		2,18	45	7,74	7,07		7,40	45	5,61	7,23	7,14	6,66
50	0,93	1,78		1,35	50	7,72	7,99		7.85	50	7,23	7,57		7,40
55	1,24	1,48		1,36	55	6,69	7,12		6,90	55	6,99	6,95		6,97
160 } 340 } 0				0,99	164 } 344 } 0				6,56	168 } 348 } 0				7,86

* Omitted.

Diam.	No. 1.	No. 2.	No. 3.	Mean	Diam.	No. 1.	No. 2.	No. 3.	Mean.	Diam.	No. 1.	No. 2.	No. 3.	Mean
° ′	″	″	″	″	° ′	″	″	″	″	° ′	″	″	″	″
168 } 348 } 0				—7,86	172 } 352 } 0				— 4,72	176 } 356 } 0				—3,17
5	—7,80	—7,35	—6,74	7,30	5	— 4,26	— 3,24		3,75	5	—3,67	— 3,52		3,60
10	8,50	6,59	7,01	7,37	10	3,94	3,61		3,77	10	4,03	3,53		3,78
15	6,92	6,37	7,53	6,94	15	2,80	4,49	—3,59	3,63	15	2,85	4,97	—3,37	3,73
20	6,59	6,58		6,58	20	4,03	4,44		4,24	20	4,88	4,20		4,54
25	7,50	7,32		7,41	25	4,72	5,41		5,06	25	4,14	4,97		4,55
30	7,33	8,33	6,85	7,50	30	5,69	4,76	5,96	5,47	30	3,33	4,73	4,37	4,14
35	7,41	7,61		7,51	35	4,94	4,67		4,80	35	5,28	4,06		4,67
40	7,47	7,46		7,46	40	4,96	3,92		4,44	40	5,01	4,08		4,54
45	6,94	8,48	6,87	7,43	45	6,27	4,48	5,08	5,28	45	2,56	3,38	3,82	3,25
50	7,75	6,95		7,35	50	6,14	6,95		6,54	50	2,56	3,34		2,95
55	7,07	7,02		7,04	55	6,59	7,18		6,88	55	2,92	2,59		2,75
169 } 349 } 0				—6,69	173 } 353 } 0				— 7,35	177 } 357 } 0				—3,08
5	—6,47	—6,85		6,66	5	— 6,54	— 6,81		6,67	5	—1,96	— 1,73		1,84
10	5,64	5,86		5,75	10	6,34	6,37		6,35	10	2,34	2,27		2,30
15	4,25	5,39		4,82	15	5,63	5,76	—5,80	5,73	15	2,41	2,49	—2,51	2,47
20	4,87	3 54		4,20	20	4,89	4,85		4,87	20	3,53	3,50		3,51
25	4,22	3,31		3,76	25	6,09	6,62		6,35	25	3,94	3,57		3,75
30	2,61	3,64		3,12	30	5,81	*4,23	5,80	5,80	30	3,80	3,60	5,04	4,15
35	2,83	2,40		2,61	35	7,02	7,25	6,59	6,95	35	3,93	4,75		4,34
40	2,14	1,93		2,04	40	5,34	7,75	5,18	6,09	40	5,27	5,25		5,26
45	1,22	1,89		1,55	45	6,04	6,09	6,81	6,31	45	5,18	*3,91	5,72	5,45
50	1,14	1,47		1,30	50	6,19	6,34		6,26	50	5,92	6,26		6,08
55	0,89	0,84		0,86	55	4,98	5,38		5,18	55	5,75	5,76		5,75
170 } 350 } 0				+0,22	174 } 354 } 0				— 5,66	178 } 358 } 0				—6,37
5	+0,61	+0,55		+0,58	5	— 4,53	— 5,66	—6,36	5,52	5	—5,79	— 5,41		5,60
10	+0,25	+0,27		+0,26	10	2,84	4,26	5,86	4,32	10	5,26	4,94		5,10
15	—0,32	+0,30		—0,01	15	3,66	4,17		3,91	15	5,92	4,89	—5,49	5,43
20	1,03	—0,19		0,61	20	4,06	3,51		3,78	20	5,79	4,47	5,88	5,38
25	0,79	1,18		0,99	25	2,97	2,72		2,84	25	5,91	4,72	5,47	5,37
30	3,35	1,97		2,66	30	1,71	2,43		2,07	30	5,60	4,71	5,81	5,37
35	2,47	3,85		3,16	35	+ 0,59	1,63	0,63	0,56	35	6 30	5,87		6,08
40	3,49	3,95		3,72	40	— 0,01	0,09	1,29	0,46	40	5,78	6,26		6,02
45	3,51	2,69		3,10	45	+ 0,24	0,64		0,20	45	6,53	5,23	6,87	6,21
50	3,93	3,27		3,60	50	+ 1,45	+ 0,62	+0,55	+ 0,87	50	5,09	4,75	5,06	4,97
55	3,77	3,98		3,88	55	— 0,10	+ 1,63	—0,65	+ 0,29	55	3,71	5,25	3,65	4,20
171 } 351 } 0				—4,40	175 } 355 } 0				+ 0,65	179 } 359 } 0				—5,04
5	—4,15	—5,08		4,61	5	+ 0,96	+ 1,91		+ 1,43	5	—5.13	— 6,10	—4,55	5,26
10	4,89	5,71		5,30	10	+ 0,27	+ 1,31		+ 0,79	10	4.56	5,80	4,60	4,99
15	5,25	5,63		5,44	15	+ 0,52	+ 0,32		+ 0.42	15	4.10	4,09		4,10
20	6,08	5,33	—5,95	5,79	20	— 0,68	— 0,59		— 0,63	20	3,09	3,49		3,29
25	5,07	3,77	4,85	4,56	25	0,65	0,51		0,58	25	2,89	2,59		2,74
30	4,66	5,56		5,11	30	0,96	1,46		1,21	30	2,67	2,20		2,43
35	5,49	5,14		5,31	35	1.64	2,77		2.20	35	1.72	1,83		1,77
40	6,02	4,97		5,49	40	1,93	2,26		2,09	40	1,05	+ 0,07		0,49
45	5,26	5,74		5,50	45	1,69	2,14		1,91	45	1,08	— 0 80		0,94
50	5.92	5,69		5,80	50	2,05	2,20		2,12	50	0,39	1,11	+0,17	0,44
55	5,20	4,98		5,09	55	2,53	2,08		2,31	55	0,05	*2,23	— 0,42	0,23
172 } 352 } 0				4,72	176 } 356 } 0				3,17	180 } 360 } 0				0,00

* Omitted.

If we now combine the errors for the diameters 0°—180°, 0° 5′—180° 5′ &c. with those for 90°—270°, and 90° 5′—270° 5′ &c. we obtain

A table of corrections for error of Division to be applied to the mean of the four microscopes.

Diameters.		0′	5′	10′	15′	20′	25′	30′	35′	40′	45′	50′	55′	Diameters.	
°	°	″	″	″	″	″	″	″	″	″	″	″	″	°	°
0	—180	—0,31	—0,46	—0,32	—0,33	—1,10	—1,42	—1,91	—2,39	—2,25	—2,62	—3,18	—3,95	90	—270
1	181	4,03	4,41	4,35	4,40	4,85	4 40	5,22	5,44	5,33	5,41	5,58	5,44	91	271
2	182	5,30	5,07	4,62	4,81	5,22	5,50	6,75	7,04	6,54	6,61	7,60	8,14	92	272
3	183	8,38	7,89	7,46	6,80	7,00	6,91	7,38	7,66	7,57	8,31	8,46	7,68	93	273
4	184	7,27	7,06	6,51	6,23	5,46	4,81	3,96	3,47	2,91	1,97	1,58	0,91	94	274
5	185	0,63	1,15	1,48	2,20	2,60	3,07	2,82	3,28	3,25	3,43	3,98	4,04	95	275
6	186	4,37	5,39	5,26	5,12	5 23	5,62	5,50	5,79	5,41	5,12	4,74	4,57	96	276
7	187	4,80	4,33	4,31	4,36	4 83	5,33	5,86	5,62	5,75	5,33	6,19	6,16	97	277
8	188	7,36	6,73	6,53	6 55	6,66	6,51	6,67	7,40	7,45	7,73	7,45	7,12	98	278
9	189	6,10	6,45	5,55	4,93	3,85	3,66	3,51	2,65	2,44	2,09	1,61	1,16	99	279
10	190	0,87	1,48	1,53	0 73	1,23	2,14	2,72	3,23	2,96	3,18	3,91	4,45	100	280
11	191	4,71	4,90	4,79	4,80	4,81	5,19	5,48	5,82	5,82	5,57	5,49	5,30	101	281
12	192	5,29	4,53	4,10	4,51	4,98	5,20	5,90	6,15	6,66	6,59	7,46	7,58	102	282
13	193	8,41	8,01	7,68	7,25	7,19	7,22	7,84	8,04	7,88	7,93	7,86	7,10	103	283
14	194	7,16	7,16	6,17	5,95	4,40	3,81	3,35	2,72	2,23	2,13	1,64	1,57	104	284
15	195	0,39	0,35	0,53	0,62	1,80	2,16	3,23	3,46	3,91	3,56	3,95	3,85	105	285
16	196	4,57	4,88	4,98	4,35	5,12	4,96	5,53	5,72	5,89	5,92	5,80	5,35	106	286
17	197	5,62	5,35	4,92	5,17	5,18	5,80	6,40	6,95	6,90	6,78	7,50	7,15	107	287
18	198	8 01	7,43	7,40	6,90	6,66	7,40	7,60	8,07	7,66	7,43	7,43	6,31	108	288
19	199	6,54	5,98	5,92	5,36	5,21	4,35	3,67	2,98	2,54	2,22	1,88	1,05	109	289
20	200	0,46	0,45	0,64	0,77	1,73	1,98	2,48	2,56	3,06	2,93	3,21	4,17	110	290
21	201	4,80	5,27	5,06	5,32	5,40	5 68	5,44	6,43	6,69	6,57	6,07	5,68	111	291
22	202	5,53	5,10	5,06	5,40	5,05	5,70	6,64	7,42	7,42	7,24	7,92	7,75	112	292
23	203	8,82	8,83	8,43	8,80	8,52	8,24	7,85	7,81	7,92	8,27	8,25	7,61	113	293
24	204	7,08	6,82	6,12	5,57	5,01	4,54	3,67	3,40	2,51	2,10	1,70	1,35	114	294
25	205	0,70	0,50	0,91	0,87	1,15	1,58	1,97	2,77	2,81	2,73	3,02	3,58	115	295
26	206	4,15	4,63	4,79	4,75	5,18	4,86	5,11	5,53	5,81	5,66	5,55	5,15	116	296
27	207	5,23	4,82	4,68	5,00	5,53	5,88	7,24	7,36	7,21	6,76	7,79	7,78	117	297
28	208	8,68	8,57	8,11	7,78	7,77	7,91	8,10	8,32	8,59	8,24	8,47	7,80	118	298
29	209	7,40	7,31	7,05	5,82	5,42	4,34	3,79	2,85	2,63	1,88	1,04	0,97	119	299
30	210	0,97	1,16	1,40	1,22	2,08	2,26	2,35	2,96	3,01	2,18	2,57	3,47	120	300
31	211	3,97	4 96	4,62	4,53	4,52	4,60	4,64	4,95	4,97	5,00	5,11	4,82	121	301
32	212	4,85	4,41	4,27	4,16	5,00	5,23	5,74	6 08	6,26	6,51	7,01	7,15	122	302
33	213	7,90	7,21	6,93	6,46	6,64	6,65	7,12	7,55	7,48	7,82	7,73	7,15	123	303
34	214	6,83	6,67	6,11	5,77	4,82	4,18	3,49	3,18	2,39	2,12	1,79	1,21	124	304
35	215	0,86	0,34	0,47	0,55	1,62	1,39	1,99	2,90	2,72	3,00	3,11	4,38	125	305
36	216	4,46	4,37	4,81	4,92	5,00	5,27	5,57	5,21	5,38	5,80	5,36	4,82	126	306
37	217	5,01	4,50	4,52	3,75	4,72	5,23	5,85	6,10	6,55	6,35	7,29	7,48	127	307
38	218	7,86	7,29	6,58	6,63	6,87	6,73	7,06	7,70	7,23	6,92	7,22	6,62	128	308
39	219	6,51	6,38	5,79	5,40	5,01	4,03	4,09	3,32	2,47	2,44	1,48	1,15	129	309
40	220	0,81	1,27	1,60	1,20	2,23	2,39	2,86	3,71	4,00	4,14	4,18	4,71	130	310
41	221	5,06	4,86	5,42	5,29	6,16	6,08	6,40	6,57	6,37	6,69	6,54	5,92	131	311
42	222	5,79	5,14	5,15	4,76	4,83	5,90	6,27	6,75	6,23	6,26	7,34	7,41	132	312
43	223	8,20	7,97	7,39	7,33	7,31	6,71	7,12	8,13	8,01	8,39	7,75	7,37	133	313
44	224	6,48	6,91	6,32	5,80	5,26	4,26	3,85	2,98	2,69	1,78	1,50	1,34	134	314

Error of each Division of the Madras Mural Circle.

Diameters.		0′	5′	10′	15′	20′	25′	30′	35′	40′	45′	50′	55′	Diameters.	
°	°	″	″	″	″	″	″	″	″	″	″	″	″	°	°
45	225	—0,87	—0,96	—1,48	—1,80	—2,25	—2,61	—3,20	—3,92	—3,70	—4 32	—4,62	—5,09	135	315
46	226	4,92	5,45	6,39	6,47	6,54	5,88	6.41	6,69	6,80	6,73	6.14	5,81	136	316
47	227	6,14	5,36	5 56	5,15	6,00	6.08	7,19	7,18	7,51	7,45	8,67	7,84	137	317
48	228	9.08	8,94	8,26	8,09	8,13	7,80	8 05	8,45	8,54	8,28	7,78	7,40	138	318
49	229	6,70	7,01	6,42	5,83	4,70	4,07	3,79	3,04	3,25	2.42	1,88	1,59	139	319
50	230	1,07	0,96	1,33	1,37	1,86	2,38	2,67	3,37	3,52	3,59	4,10	4,51	140	320
51	231	5,05	5,01	5.01	5,22	5.87	5,45	5,83	5,79	5,12	5,42	5,17	5,14	141	321
52	232	5,25	4,16	4,15	4,60	5.36	5,29	6,69	6,87	6,92	6,70	7,47	7,83	142	322
53	233	8,22	7.41	7,56	7,15	7.60	7,60	8,14	8,04	8,22	8,21	7,81	6,81	143	323
54	234	6,54	6,10	5,84	5,43	5,08	4,06	3,28	2,33	2,36	1,96	1,25	1,08	144	324
55	235	1,10	1,10	1,20	1.03	1,44	1,82	2,02	2,93	2.65	3.32	4,04	4,09	145	325
56	236	4,85	5,30	5,42	4,98	5.25	5,27	5,58	5,41	5,42	5,61	5,73	5.29	146	326
57	237	4,95	4.46	4.00	4,13	5,19	6.03	6.84	7,42	7.43	7,09	7,80	7,58	147	327
58	238	8,43	7,82	7,47	7.09	7,42	7,65	7,50	7,90	8,15	8,13	8.15	7,22	148	328
59	239	7,06	6,76	6,10	5,64	5,00	4,34	3,56	2,71	2,46	2,03	1,87	1,56	149	329
60	240	1,76	1,81	2,25	1.96	2,84	3,12	3,95	4,44	4.62	4,36	4,48	5,14	150	330
61	241	5.43	5,74	5,60	5,51	5.70	5,72	5,98	6,74	6,45	6.10	6,70	6,26	151	331
62	242	6,27	5.47	5,05	5,17	5 30	5.94	6,84	6.60	6,85	6,65	7,69	7.74	152	332
63	243	8,74	8.07	7,76	7,85	8,02	7.82	7.92	8,40	8 64	8,61	8,48	7,65	153	333
64	244	7,92	7,99	7,32	6,52	5,68	5,08	4,42	3,62	2,86	2,78	2,43	1,65	154	334
65	245	1,29	1,71	1,57	1,82	1,92	2,73	3,29	3,86	3.84	4,08	4,59	5,77	155	335
66	246	5.85	6,26	6,90	6,48	6,42	6,02	6,53	6,42	6.63	6,94	6,84	6,92	156	336
67	247	6,70	5 70	5,34	5,35	6,00	6.57	8,11	7.98	8,01	7.57	8.62	8,16	157	337
68	248	9,00	8,08	7,80	8,05	7,07	7.58	8,18	8,63	8,98	9,02	9,84	8,63	158	338
69	249	7,76	7,86	7,49	6,80	6,09	5,01	5,03	3,39	3,18	2,95	2,52	1,83	159	339
70	250	1,44	1,29	1.70	1.61	2,27	2,61	3,22	3,85	4.20	4,26	4,77	5.49	160	340
71	251	5,40	6,25	6,25	6,09	5,72	6,00	6.02	6,16	6,09	6,11	5,98	5.71	161	341
72	252	5.34	4,98	4,46	4.46	5,02	5.93	6 58	7,03	6,95	6,61	7,88	7,43	162	342
73	253	8,52	7,77	7,68	7,22	7,06	7,23	7,64	7,89	8,23	8,45	8,69	7,68	163	343
74	254	7,37	6,70	5,83	5,86	4,85	4,81	4,08	2,86	2,51	2,38	1,65	1,03	164	344
75	255	0,68	1,24	1,50	1,15	1,51	1.75	2,09	2,62	2,89	2,71	3,75	4,27	165	345
76	256	4,74	4,93	5,45	5,32	5,83	5,71	5,58	5.70	5 35	5,15	4,76	4,43	166	346
77	257	5,29	4,26	4.07	4,05	4,71	5,25	6,15	6,35	7,10	6,85	7,74	7,47	167	347
78	258	8,21	7,45	7,11	6.90	6,65	7.23	7,63	7.97	7,96	7,93	8,07	7,24	168	348
79	259	6,80	6,54	5,85	5,26	4,84	4,11	3,46	3,10	2,67	1,91	1,54	1,17	169	349
80	260	0 09	+0,48	0,07	0,52	1,19	1,23	2.56	3,43	3.64	3,42	4,08	4,20	170	350
81	261	4.70	—5,13	5,23	5,39	5.40	5.71	5,42	5,37	5,49	5,76	5,93	5.01	171	351
82	262	4.80	3.87	4.04	3,78	4,10	4,81	5.52	5,56	5,49	6,00	6.72	7,14	172	352
83	263	7,77	7,04	7,09	6,84	6,26	7,09	7.12	7.79	7,50	7,40	7,18	6,52	173	353
84	264	6,37	6,17	5,03	4,86	4,43	3,83	3,16	1,96	1,67	1,29	0,51	0,48	174	354
85	265	+0.17	+0,68	0,06	0.59	1,20	1.20	1.67	2,47	2,11	2,60	2,66	2,83	175	355
86	266	—3,60	—4,60	4,19	4,24	4,84	4,89	4.40	4,93	4,48	4,15	4,08	3,81	176	356
87	267	3.86	2.92	2,90	3,25	3,92	4.48	5,05	4,85	5,50	5,60	6,45	6,42	177	357
88	268	7,04	6,47	5,88	6,16	6,12	6,07	6,40	6.78	7,22	7,31	6.63	5,71	178	358
89	269	6,07	5,94	5,60	4,67	4,20	3,47	3,37	2,77	1,94	1,58	1,32	0,93	179	359

With regard to the amount of error attaching to the measures of North Polar Distance hitherto given; the case stands thus: each result requires to be corrected by the values set down in the table, and then to be further corrected by the error of the Index Error. If every division of the circle had been

employed, this latter error would amount to—4,"9 and we should have.

A table of corrections due to the ALREADY REDUCED *measures of N. P. D. for error of division.*

Diameters.		0′	5′	10′	15′	20′	25′	30′	35′	40′	45′	50′	55′	Diameters.	
°	°	″	″	″	″	″	″	″	″	″	″	″	″	°	°
0—	180	+4,59	+4,44	+4,58	+4,57	+3,80	+3,48	+2,99	+2,51	+2,65	+2,28	+1,72	+0,95	90—	270
1	181	0,87	0,49	0,55	0,50	0,05	0,50	—0,32	—0,54	—0,43	—0,51	—0,68	—0,54	91	271
2	182	—0,40	—0,17	0,28	0,09	—0,32	—0,60	1,85	2,14	1,64	1,71	2,70	3,24	92	272
3	183	3,48	2,99	—2,56	—1,90	2,10	2,01	2,48	2,76	2,67	3,41	3,56	2,78	93	273
4	184	2,37	2,16	1,61	1,33	0,56	+0,09	+0,94	+1,43	+1,99	+2,93	+3,32	+3,99	94	274
5	185	+4,27	+3,75	+3,42	+2,70	+2,30	+1,83	+2,08	+1,62	+1,65	+1,47	+0,92	+0,86	95	275
6	186	0,53	—0,49	—0,36	—0,22	—0,38	—0,72	—0,60	—0,89	—0,51	—0,22	0,16	0,33	96	276
7	187	0,10	+0,57	+0,59	+0,54	+0,07	—0,43	0,96	0,72	0,85	0,43	—1,29	—1,26	97	277
8	188	—2,46	—1,83	—1,63	—1,65	—1,76	—1,61	1,77	2,50	2,55	2,83	2,55	2,22	98	278
9	189	1,20	1,55	0,65	0,03	+1,05	+1,24	+1,39	+2,25	+2,46	+2,81	+3,29	+3,74	99	279
10	190	+4,03	+3,42	+3,37	+4,17	+3,67	+2,76	+2,18	+1,67	+1,94	+1,72	+0,99	+0,45	100	280
11	191	0,19	0,00	0,11	0,10	0,09	—0,29	—0,58	—0,92	—0,92	—0,67	—0,59	—0,40	101	281
12	192	—0,39	0,37	0,80	0,39	—0,08	0,30	1,00	1,25	1,76	1,69	2,56	2,68	102	282
13	193	3,51	—3,11	—2,78	—2,35	—2,29	2,32	2,94	3,14	2,98	3,03	2,96	2,20	103	283
14	194	2,26	2,26	1,27	1,05	+0,50	+1,09	+1,55	+2,18	+2,67	+2,77	+3,26	+3,33	104	284
15	195	+4,51	+4,55	+4,37	+4,28	+3,10	+2,74	+1,67	+1,44	+0,99	+1,34	+0,95	+1,05	105	285
16	196	0,33	0,02	—0,08	0,55	—0,22	—0,06	—0,63	—0,82	—0,99	—1,02	—0,90	—0,45	106	286
17	197	—0,72	—0,45	0,02	—0,27	0,28	0,90	1,50	2,05	2,00	1,88	2,60	2,25	107	287
18	198	3,11	2,58	2,50	2,00	1,76	2,50	2,70	3,17	2,76	2,53	2,53	1,41	108	288
19	199	1,64	1,08	1,02	0,46	0,31	+0,55	+1,23	+1,92	+2,36	+2,68	+3,02	+3,85	109	289
20	200	+4,44	+4,45	+4,26	+4,13	+3,17	+2,92	+2,42	+2,34	+1,84	+1,97	+1,69	+0,73	110	290
21	201	0,10	—0,37	—0,16	—0,42	—0,50	—0,78	—0,54	—1,53	—1,79	—1,67	—1,17	—0,78	111	291
22	202	—0,63	0,20	0,16	0,50	0,15	0,80	1,74	2,52	2,52	2,34	3,02	2,85	112	292
23	203	3,92	3 93	3,53	3,90	3 62	3,34	2,95	2,91	3,02	3,37	3,35	2,71	113	293
24	204	2,18	1,92	1,22	0,67	0,11	+0,36	+1,23	+1,50	+2,39	+2,80	+3,20	+3,55	114	294
25	205	+4,20	+4,40	+3,99	+4,03	+3,75	+3,32	+2,93	+2,13	+2,09	+2,17	+1,88	+1,32	115	295
26	206	0,75	0,27	0,11	0,15	—0,28	0,04	—0,21	—0,63	—0,91	—0,76	—0,65	—0,25	116	296
27	207	—0,33	0,08	0 22	—0,10	0,63	—0,98	2,34	2,46	2,31	1,86	2,89	2,88	117	297
28	208	3,78	—3,67	—3,21	2,88	2,87	3,01	3,20	3,42	3,69	3,34	3,57	2,90	118	298
29	209	2,50	2,41	2,15	0,92	0,52	+0,56	+1,11	+2,05	+2,27	+3,02	+3,86	+3,93	119	299
30	210	+3,93	+3,74	+3,50	+3,68	+2,82	+2,64	+2,55	+1,94	+1,89	+2,72	+2,33	+1,43	120	300
31	211	0,93	—0,06	0,28	0,37	0,38	0,30	0,26	—0,05	—0,07	—0,10	—0,21	+0,08	121	301
32	212	0,05	+0,49	0,63	0,74	—0,10	—0,33	—0,84	1,18	1,36	1,61	2,11	—2,25	122	302
33	213	—3,00	—2,31	—2,03	—1,56	1,74	1,75	2,22	2,65	2,58	2,92	2,83	2,25	123	303
34	214	1,93	1,77	1,21	0,87	+0,08	+0,72	+1,41	+1,72	+2,51	+2,78	+3,11	+3,69	124	304
35	215	+4,04	+4,56	+4,43	+4,35	+3,28	+3,51	+2,91	+2,00	+2,18	+1,90	+1,79	+0,52	125	305
36	216	+0,44	0,53	0,09	—0,02	—0,10	—0,37	—0,67	—0,31	—0,48	—0,90	—0,46	0,08	126	306
37	217	—0,11	+0,40	0,38	+1,15	+0,18	0,33	0,95	1,20	1,65	1,45	2,39	—2,58	127	307
38	218	2,96	—2,39	—1,68	—1,73	—1,97	1,83	2,16	2,80	2,33	2,02	2,32	1,72	128	308
39	219	1,61	1,48	0,89	0,50	0,11	+0,87	+0,81	+1,58	+2,43	+2,46	+3,42	+3,75	129	309
40	220	+4,09	+3,63	+3,30	+3,70	+2,67	+2,51	+2,04	+1,19	+0,90	+0,76	+0,72	+0,19	130	310
41	221	—0,16	0,04	—0,52	—0,39	—1,26	—1,18	—1,50	—1,67	—1,47	—1,79	—1,64	—1,02	131	311
42	222	0,89	—0,24	0,25	+0,14	+0,07	1,00	1,37	1,85	1,33	1,36	2,44	2,51	132	312
43	223	3,30	3,07	2,49	—2,43	—2,41	1,81	2,22	3,23	3,11	3,49	2,85	2 47	133	313
44	224	1,58	2,01	1,42	0,90	0,36	+0,64	+1,05	+1,92	+2,21	+3,12	+3,40	+3,56	134	314

Error of each division of the Madras Mural Circle.

A table of corrections due to the ALREADY REDUCED *measures of N. P. D. for error of division.*

Diameters.		0′	5′	10′	15′	20′	25′	30′	35′	40′	45′	50″	55″	Diameters.	
°	°	″	″	″	″	″	″	″	″	″	″	″	″	°	°
45	225	+4,03	+3,94	+3,42	+3,10	+2.65	+2,29	+1,70	+0,98	+1,20	+0,58	+0,28	—0,19	135	315
46	226	—0 02	—0,55	—1.49	—1,57	—1,64	—0,98	—1,51	—1,79	—1,90	—1.83	—1,24	0,91	136	316
47	227	1,24	0,46	0 66	0.25	1.10	1,18	2,29	2,28	2,61	2,55	3,77	2,94	137	317
48	228	4.18	4.04	3,36	3 19	3,23	2,90	3,15	3,55	3,64	3,38	2,88	2,50	138	318
49	229	1,80	2,11	1,52	0,93	+0,20	+0,83	+1,11	+1,86	+1,65	+2,48	+3,02	+3,31	139	319
50	230	+3.83	+3.94	+3,57	+3,53	+3 04	+2,52	+2,23	+1,53	+1,38	+1,31	+0,80	+0.39	140	320
51	231	—0,15	—0.11	—0,11	—0,32	—0,97	—0.55	—0,93	—0,89	—0,22	—0.52	—0,27	—0,24	141	321
52	232	0,35	+0,74	+0,75	+0,30	0,46	0,39	1,79	1,97	2 02	1,80	2,57	2.93	142	322
53	233	3,32	—2,51	—2,66	—2,25	2.70	2,70	3.24	3,14	3.32	3,31	2,91	1.91	143	323
54	234	1,64	1,20	0,94	0,53	0,18	+0,84	+1,62	+2,57	+2,54	+2,94	+3.65	+3,82	144	324
55	235	+3,80	+3,80	+3,70	+3,87	+3,46	+3,08	+2,88	+1,97	+2,25	+1,58	+0,86	+0,81	145	325
56	236	0.05	—0,40	—0.52	—0,08	—0,35	—0,37	—0,68	—0,51	—0,52	—0,71	—0,83	—0.39	146	326
57	237	—0,05	+0,44	+0,90	+0,77	0,29	1,13	1,94	2,52	2,53	2,19	2,90	2,68	147	327
58	238	3,53	—2,92	—2.57	—2,19	2,52	2 75	2,60	3,00	3,25	3,23	3.25	2 32	148	328
59	239	2,16	1,86	1,20	0,74	0,10	+0,56	+1,34	+2,19	+2,44	+2,87	+3,03	+3,34	149	329
60	240	+3,14	+3,09	+2,65	+2,94	+2,06	+1,78	+0,95	+0.46	+0,28	+0,54	+0,42	—0,24	150	330
61	241	—0.53	—0,84	—0.70	—0,61	—0,80	—0,82	—1,08	—1,84	—1,55	—1.20	—1.80	1,36	151	331
62	242	1,37	0,57	0,15	0,27	0,40	1,04	1.94	1.70	1,95	1.75	2,79	2,84	152	332
63	243	3,84	3,17	2.86	2,95	3.12	2,92	3.02	3,50	3,74	3,71	3,58	2,75	153	333
64	244	3,02	3,09	2,42	1,62	0,78	0,18	+0,48	+1,28	+2,04	+2,12	+2,47	+3,25	154	334
65	245	+3.61	+3,19	+3,33	+3.08	+2,98	+2,17	+1.61	+1,04	+1,96	+0,82	+0.31	—0.87	155	335
66	246	—0,95	—1,36	—2,00	—1 58	—1.52	—1,12	—1,63	—1,52	—1,73	—2,04	—1,94	2,02	156	336
67	247	1,80	0,80	0.44	0 45	1,10	1,67	3,21	3,08	3 11	2.67	3,72	3,26	157	337
68	248	4,10	3,18	2,90	3,15	2,17	2,68	3 28	3.73	4.08	4,12	4.94	3,73	158	338
69	249	2,86	2,96	2,59	1,90	1,19	0,11	0,13	+1,51	+1,72	+1,95	+2,38	+3,07	159	339
70	250	+3,46	+3,61	+3,20	+3.29	+2,63	+2,29	+1.68	+1,05	+0,70	+0,64	+0,13	—0.59	160	340
71	251	—0,50	—1.35	—1,35	—1,19	—0.82	—1,10	—1.12	—1,26	—1,19	—1,21	—1.08	0,81	161	341
72	252	0,44	0,08	+0,44	+0,44	0,12	1,03	1.68	2.13	2 05	1,71	2,98	2,53	162	342
73	253	3,62	2 87	—2,78	—2.32	2,16	2,33	2 74	2,99	3 33	3,55	3,79	2,78	163	343
74	254	2,47	1,80	0,93	0,96	+0,05	+0,09	+0,82	+2,04	+2,39	+2,52	+3,25	+3,87	164	344
75	255	+4,22	+3,66	+3,40	+3,75	+3,39	+3,15	+2,81	+2,28	+2,01	+2,19	+1,15	+0,63	165	345
76	256	0,16	—0.03	—0,55	—0,42	—0.93	—0,81	—0,68	—0,80	—0.45	—0 25	0,14	0,47	166	346
77	257	—0,39	+0,64	+0,83	+0,85	+0,19	0,35	1,25	1,45	2.20	1,95	—2,84	—2,57	167	347
78	258	3.31	—2.55	—2,21	—2,00	—1,75	2.33	2,73	3,07	3,06	3,03	3,17	2,34	168	348
79	259	1,90	1,64	0,95	0,36	+0,06	+0,79	+1,44	+1,80	+2,23	+2,99	+3,36	+3,73	169	349
80	260	+4,81	+5,38	+4,83	+4,38	+3,71	+3,67	+2,34	+1,47	+1,26	+1.48	+0.82	+0.70	170	350
81	261	0.20	—0,23	—0,33	—0,49	—0,50	—0,81	—0.52	—0,47	—0,59	—0,86	—1,03	—0,11	171	351
82	262	0.10	+1,03	+0,86	+1,12	+0,80	+0,09	0,62	0,66	0,59	1.10	1,82	2,24	172	352
83	263	—2,87	—2.14	—2,19	—1,94	—1,36	—2,19	2,22	2,89	2,60	2 50	2.28	1,62	173	353
84	264	1,47	1,27	0,13	+0,04	+0,47	+1,07	+1,74	+2,94	+3,23	+3,61	+4,39	+4,42	174	354
85	265	+5.07	+5,58	+4,84	+4,31	+3,70	+3,70	+3,23	+2,43	+2,79	+2.30	+2,24	+2,07	175	355
86	266	1.30	0,30	0,71	0,66	0,06	0,01	0,50	—0,03	0,42	0,75	0,82	1,09	176	356
87	267	1,04	1,98	2,00	1,65	0,98	0,42	—0,15	+0,05	—0.60	—0,70	—1,55	—1,52	177	357
88	268	—2,14	—1.57	—0,98	—1,26	—1,22	—1,17	1,50	—1,88	2.32	2.41	1,73	0.81	178	358
89	269	1,17	1,04	0,70	+0,23	+0,70	+1,43	+1,52	+2,13	+2,96	+3,32	+3,58	+3,97	179	359

It must here be carefully noted with regard to the two preceding tables, that the signs + and — are to be understood in the sense of North and South respectively, and *not of* addition and subtraction.

In order to shew how nearly the above corrections can satisfy observations made at Madras with those made at other Observatories I have selected from Vol. II. all the cases of large difference between the North Polar Distances there given and the Greenwich observations, and have applied the corrections due to error of division as follows.

A table, exhibiting all the large differences yet met with between the Greenwich and Madras determinations of North Polar Distance (i. e. all above 4″), together with the same corrected for error of division in the Madras Circle.

No. in Vol. II.	Names.		Division Observed.		Diff. from Greenwich.	err. div.	Cor. diff. from Greenwich	Remarks.
			°	′	″	″	″	
41	15 Cassiopeæ	κ	28	0	— 4,32	+ 3,78	— 0,54	
59	31 Andromed.	δ	60	5	+ 5,37	— 3,09	+ 2,28	
162	98 Piscium	μ	84	45	+ 8,33	— 3,61	+ 4,72	Greenwich place for 1831, differs — 0″,47. Greenwich place for 1837, differs — 1″,86.
178	102 ———	π	78	45	— 5,65	+ 3,03	— 2,62	
217	59 Ceti	ν^2	111	55	—11,09	+ 0,78	—10,31	Greenwich place for 1831, differs — 1″,85.
269	78 Ceti	ν	85	10	+ 5,06	— 4,84	+ 0,22	
280	83 ———	ε	102	35	+ 7,81	+ 1,25	+ 9,06	Greenwich place for 1831, differs — 2″,78.
399	41 Persei	ν	48	0	— 4,67	+ 4,18	— 0,49	
530	48 Eridani	ν^2	93	45	— 4,16	+ 3,41	— 0,75	
545	54 ———		110	0	+ 4,21	— 4,44	— 0,23	
595	105 Tauri		68	35	— 5,16	+ 3,73	— 1,43	
597	2 Leporis	ε	112	40	— 4,43	+ 2,52	— 1,91	
677	39 Orionis	λ	80	15	+ 4,12	— 4,38	— 0,26	
735	34 Aurigæ	β	45	5	+ 5,10	— 3,94	+ 1,16	
747	61 Orionis	μ	80	25	+ 4,95	— 3,67	+ 1,28	
757	67 Orionis	ν	75	15	+ 5,54	— 3,75	+ 1,79	
791	1 Canis Maj.	ζ	120	0	+ 5,57	— 3,93	+ 1,64	
857	16 ——— ———	o^1	114	0	— 4,05	+ 2,18	— 1,87	
877	24 ——— ———	o^2	113	40	— 6,57	+ 3,02	— 3,55	Greenwich place for 1831, differs — 1″,28.
995	15 Argus		113	50	+ 4,45	+ 3,35	+ 7,80	Greenwich place for 1836, differs — 1″,19.
1131	40 Lyncis	τ	54	55	+ 4,44	— 3,82	+ 0,62	
1179	29 Ursæ Maj.	υ	30	15	+ 5,04	— 3,68	+ 1,36	
1243	Antl. Pneum	α	120	15	+ 4,24	— 3,68	+ 0,56	
1254	47 Leonis	ρ	79	50	+ 5,01	— 3,36	+ 1,65	
1289	46 Leonis Min.	ο	54	55	+ 5,66	— 3,82	+ 1,84	
1333	12 Hyd. and Crat.	δ	103	55	— 4,24	+ 2,20	— 2,04	
1338	78 Leonis	ι	78	35	— 4,62	+ 3,07	— 1,55	
1386	8 Virginis	π	82	30	+ 4,88	+ 0,62	+ 5,50	Greenwich place for 1836, differs — 0″,75.
1575	85 Ursæ Maj.	η	39	55	+ 4,45	— 3,75	+ 0,70	
1579	3 Centauri	k	122	10	+ 4,78	— 0,63	+ 4,15	Greenwich place for 1837, differs — 2″,06.
1607	11 Draconis	α	24	50	+ 5,39	— 3,20	+ 2,19	
1619	99 Virginis	ι	95	15	+ 5,81	— 2,70	+ 3,11	Greenwich place for 1836, differs — 0″,51.
1620	16 Bootis	α	70	0	+ 4,74	— 3,46	+ 1,28	
1665	107 Virginis	μ	95	0	+ 5,63	— 4,27	+ 1,36	
1681	9 Libræ	α^2	105	20	+ 4,41	— 3,10	+ 1,31	

No. in Vol. II.	Names.		Division Observed.	Diff. from Greenwich.	err. div.	Cor. diff. from Greenwich.	Remarks.
			° ′	″	″	″	
1700	7 Urs. Min.	β	15 10	+ 7,86	— 4,37	+ 3,49	Greenwich place for 1837, differs + 2″,01
1701	19 Libræ	δ	97 55	— 4,30	+ 1,26	— 3,04	
1787	44 ——	η	105 10	+ 4,01	— 4,37	— 0,36	
1797	5 Lupi	λ	123 10	+ 4,49	+ 2,03	+ 6,52	Greenwich place for 1837, differs + 0″,02
1803	37 Serpentis	ε	85 0	+ 5,30	— 5,07	+ 0,23	
1806	2 Scorpii	A¹	114 50	+ 5,63	— 3,20	+ 2,43	
1816	5 ——	ρ	118 45	+ 7,73	+ 3,34	+11,07	The St. Helena Catalogue agrees better i. e.
1837	9 ——	ω¹	110 15	+ 5,28	— 4,13	+ 1,15	T. — J. = + 2″,29.
1838	10 ——	ω²	110 25	+ 4,95	— 2,92	+ 2,03	
1839	6 Herculis	υ	43 30	— 4,11	+ 2,22	— 1,89	
1902	13 Ophiuchi	ζ	100 15	+ 4,18	— 4,17	+ 0,01	
1976	65 Herculis	δ	65 0	+ 4,48	— 3,61	+ 0,87	
1986	42 Ophiuchi	θ	114 50	+ 5,69	— 3,20	+ 2,49	
2021	57 ——	μ	98 0	— 4,10	+ 2,46	— 1,64	
2028	56 Serpentis	ο	102 50	— 5,03	+ 2,56	— 2,47	
2079	10 Sagittarii	γ²	120 25	+10,18	— 2,64	+ 7,54	Greenwich place for 1831, differs + 1″,99
2105	19 ——	δ	119 55	+ 5,11	— 3,93	+ 1,18	
2122	22 ——	λ	115 30	+ 4,09	— 2,93	+ 1,16	
2164	28 ——		112 35	— 4,27	+ 2,52	— 1,75	
2187	37 ——	ξ²	111 20	+ 9,48	+ 0,50	+ 9,98	Greenwich place for 1831, differs + 1″,53
2196	38 Sagittarii	ζ	120 10	+ 5,87	— 3,50	+ 2,37	Greenwich place for {1831, 1837, differs — 0″,18. + 0 ,01.
2198	13 Aquilæ	ε	75 10	+ 5,57	— 3,40	+ 2,17	
2213	16 ——	λ	95 10	+ 4,56	— 3,42	+ 1,14	
2303	13 Cygni	θ	40 10	+ 4,14	— 3,30	+ 0,84	
2313	56 Sagittarii	f	110 10	+ 4,64	— 4,26	+ 0,38	
2371	67 Draconis	ρ	22 40	— 5,44	+ 2,52	— 2,92	
2388	6 Capricorni	α²	103 5	— 4,75	+ 3,11	— 1,64	
2501	23 ——	θ	107 55	— 4,43	+ 2,25	— 2,18	
2528	32 ——	ι	107 35	— 4,56	+ 2,05	— 2,51	
2546	36 ——	b	112 35	— 4,08	+ 2,52	— 1,56	
2561	73 Cygni	ρ	45 10	+ 6,89	— 3,42	+ 3,47	
2562	23 Aquarii	ξ	98 40	— 5,13	+ 2,55	— 2,58	
2655	43 ——	θ	98 40	— 4,35	+ 2,55	— 1,80	
2659	23 Cephei	ε	33 50	— 4,34	+ 2,83	— 1,51	
2661	46 Aquarii	ρ	98 40	+16,33	+ 2,55	+18,88	Greenwich place for 1831, differs — 0″,08
2696	59 Aquarii	υ	111 35	+10,15	+ 1,53	+11,68	Greenwich place for 1817, differs + 2″,88
2710	42 Pegasi	ζ	80 5	+ 6,39	— 5,38	+ 1,01	
2754	83 Aquarii	h¹	98 40	— 5,21	+ 2,55	— 2,66	
2776	92 ——	χ	98 40	— 4,43	+ 2,55	— 1,88	
2796	4 Capricorni	d	28 40	— 4,37	+ 3,69	— 0,68	

In addition to the above I may add the following, derived from page clxxiii, *et seq.* of the present volume.

A table of the larger differences (all above 3″) between the determinations of declination at the St. Helena and Madras observations, together with the same corrected for error of division in the Madras Circle.

No. from B. Cat.	Name.	Division observed.	Differs from J.	err. div.	T.—J. corrected.	Remarks.
		° ′	″	″	″	
278	χ Eridani	142 25	+ 3,5	— 0,4	+ 3,1	
353	κ ———	138 25	+ 3,2	— 2,9	+ 0,3	
744	α Doradus	145 25	— 4,2	+ 3,1	— 1,1	
1389	α Equ. Pict.	151 45	+ 3,4	— 1,2	+ 2,2	
1812	R Argus	137 45	+ 4,6	— 2,5	+ 2,1	
2311	b^2 Argus	148 30	+ 3,2	— 2,6	+ 0,6	
2326	c ——	136 30	+ 3,3	— 1,5	+ 1,8	
2394	ι ——	151 40	+ 4,3	— 1,5	+ 2,8	
2752	φ ——	143 50	+ 3,4	— 2,9	+ 0,5	
5767	Normæ	124 55	— 3,3	+ 3,7	+ 0,4	
5828	η Aræ	148 45	+ 5,3	— 3,2	+ 2,1	
7267	γ Tucanæ	149 10	+ 3,3	— 1,2	+ 2,1	
7274	γ App. Sculp.	123 30	+ 6,3	— 2,2	+ 4,1	Greenwich place for 1836, differs + 1″84
7300	β —— ——	128 45	+ 3,3	— 2,0	+ 1,3	
7330	δ —— ——	119 0	+ 3,4	— 2,5	+ 0,9	

In conclusion I may state—that the discordances which have hitherto been met with in the Solar—Lunar, and Planetary observations, will, on applying the corrections from the above table,—in a great measure be got rid of, and the observations generally, will I believe be found to possess a considerable degree of accuracy.

Errata in the Brisbane Catalogue.

No. of Star in Brisbane Catalogue.	Column.			Error.		Correction.	T. — B. corrected. M. — C.	T.
				s.		s.	s.	s.
163	Ann. Prec. in	A. R.	for	2,508	read	2,492	—2,81	—
516	—	—	—	2,018	—	2,042	—	—
639	—	—	—	1,935	—	1,270	—	—
718	—	—	—	0,866	—	0,819	—	—
1045	—	—	—	1,099	—	1,109	—3,82	—
1284	—	—	—	1,753	—	1,737	—	—
1294	—	—	—	1,400	—	1,361	—	—
1309	—	—	—	1,071	—	1,482	—	—
1642	—	—	—	2,362	—	2,512	—2,27	—
1705	—	—	—	1,910	—	1,454	—2,52	—
1730	—	—	—	2,118	—	2,141	—2,23	—
1816	—	—	—	1,034	—	1,077	—2,31	—
1832	—	—	—	1,784	—	1,804	—	—
2001	—	—	—	1,191	—	1,991	—	—
2044	—	—	—	1,134	—	1,531	—	—
2110	—	—	—	1,895	—	1,921	—1,91	—
2322	—	—	—	1,737	—	1,389	—	—
2424	—	—	—	1,729	—	1,699	—2,31	—3,46
2466	—	—	—	2,142	—	2,164	—2,16	—
2742	—	—	—	2,458	—	2,584	—2,13	—
2790	—	—	—	2,147	—	2,169	—2,03	—3,10
2825	—	—	—	2,319	—	2,474	—3,04	—0,99
3056	—	—	—	2,661	—	2,555	—	—
3065	—	—	—	2,557	—	2,574	—2,44	—
3558	—	—	—	2,970	—	2,944	—2,00	—
3795	—	—	—	2,938	—	2,920	—1,67	—
4093	—	—	—	3,122	—	3,138	—1,81	—
				h. m.		h. m.		
4224	A.	R.	—	12 42	—	12 43		
				s.		s.		
4234	Ann. Prec. in	A. R.	—	3,111	—	3,471	—	—
4268	—	—	—	3,518	—	3,479	—	—
4396	—	—	—	4,094	—	3,173	—	—
4565	—	—	—	3,714	—	3,744	—	—
4586	—	—	—	4,002	—	3,962	—2,53	—2,24
4626	—	—	—	3,576	—	3,707	—1,23	—
4944	—	—	—	3,195	—	4,303	—	—
4961	—	—	—	4,074	—	3,868	—3,02	—
4979	—	—	—	3,951	—	3,993	—2,59	—
5288	—	—	—	4,205	—	4,155	—	—
5496	—	—	—	4,406	—	4,558	—1,49	—
5522	—	—	—	3,098	—	4,098	—	—
5699	—	—	—	4,249	—	4,194	—1,68	—
5920	—	—	—	4,308	—	4,053	—	—
6306	—	—	—	4,066	—	4,044	—2,70	—
6474	—	—	—	4,630	—	4,662	—	—2,26
6530	—	—	—	4,082	—	4,343	—	—
6607	—	—	—	4,734	—	4,391	—1,35	—
7308	—	—	—	3,387	—	3,265	—	—

Which errors, having for the most part been discovered since the Catalogue in the present Volume was in print, necessarily give rise to errors in the column "Difference from the Brisbane Catalogue"—hence the above column "T — B corrected." In addition to the above, the following errors have been detected.

Errata in the present Volume.

No.	Columns.		Error.		Correction.
10	Declin.	for	37° 22′	read	37° 23′
75	Ann. Prec.	—	2s,862	—	2s,782
	Log. c	—	0,3544	—	0,4444
	A. R.	—	4s,37	—	4s,44
	Difference	—	— 1s,51	—	— 1s,58
304	A. R.	—	14s,33	—	13s,82
	Difference	—	—3s,49 & —2s,14	—	—2s,98 & — 1s,63
407	Ann. Prec.	—	1s,946	—	0s,946
	Log. c	—	0 ,2891	—	9 ,9759
414	Declin.	—	49° 10′	—	49° 14′
484	Ann. Prec.	—	1s,570	—	1s,884
	Log. c	—	0 ,1959	—	0 ,2751

		a	b	c	d	a′	b′
505	Ann. Prec.						
Insert.	1s,326	+7,6939	+9,0395	+0,1225	—7,5934	+0,0237	+8,5536
	A. R. = 49m. 32s,09		—	—	Declin.	—	32′ 52″,53
	Diff. = +1,44 & —		—	—	Diff.	—	+ 0,05

787	Difference	for	10s,67	read	1m. 0s,67	

		a	b	c	d	a′	b′
847	Ann. Prec.						
Insert.	2s,458	—8,4688	+8,8350	+0,3906	+8,1173	+9,9020	+9,2454
	A. R. 32m. 53s,87		—	Difference	—	+0s,85 & —	—
906	Ann. Prec.						
Insert.	1s,293	—8,7250	+9,0286	+0,1116	+8,6437	+9,9934	+9,5672
	A. R. 45m. 41s,14		—	—	Declin.	0′ 29″,80	—
	Difference	—3,22	—	—	Difference	+ 1 ,61	—
938	Ann. Prec.						
Insert.	1s,257	—8,7655	+9,0322	+0,0993	+8,6892	+9,9886	+9,6012
	A. R. 53m. 36s,30		—	—	Declin.	0′ 4″,66	—
	Difference	—3,29	—	—	Difference	— 1 ,60	—

946	Magnitude	for	6,7	read	7
947	Magnitude	—	8	—	7
978	Ann. Prec.	—	1s,312	—	2s,312
1121	Ann. Prec.	—	2 ,083	—	2 ,283
1228	Difference	—	—3 ,07	—	—30 ,87
1353	B. No.	—	2478	—	2476
1366	Declination	—	49°	—	48°
1617	A. R.	—	36s,59	—	34s,75
	Difference	—	—2 ,71	—	—0 ,87
1643	B. No.	—	3016	—	3014
1667	Difference	—	+1″,313	—	+1′ 3″,13
1672	B. No.	—	8065	—	3065
2131	Difference	—	+2s,16 & +1s,59	—	—2s,14 & —
2396	Difference	—	—13s,20	—	—1m. 3s,20
2522	Difference	—	+ 8 ,31	—	— 1s,69
2650	Difference	—	—	—	— 1s,85
2655	Difference	—	— 8″,32	—	+ 1m. 51″,68
2757	Magnitude	—	9	—	8,9

2865, 2866 The Ann. Prec. in A. R. of these two, as well as the values of log. *a*, log. *b*, log. *c*, and log. *d*, must exchange places.

3019	Difference	for	+00″,9	read	+0″,09

		a	b	c	d	a′	b′
3280	Ann. Prec.						
Insert.	4s,154	+8,9434	—8,8310	+0,6185	—8,8461	—9,3579	—9,8011
	A. R. =29m. 1,90s.		—	Declin.	—	=4′ 33″,20	—
	Diff.	— 2,02	—	Diff.	—	+2,02	—

Additional Errata in Vol. II.

Page CXXVII No. 2801 N.P.D. for 18″,43 read 32″,95

A

GENERAL CATALOGUE

OF THE

PRINCIPAL FIXED STARS

FROM OBSERVATIONS

MADE AT

THE HONORABLE

THE EAST INDIA COMPANY'S OBSERVATORY

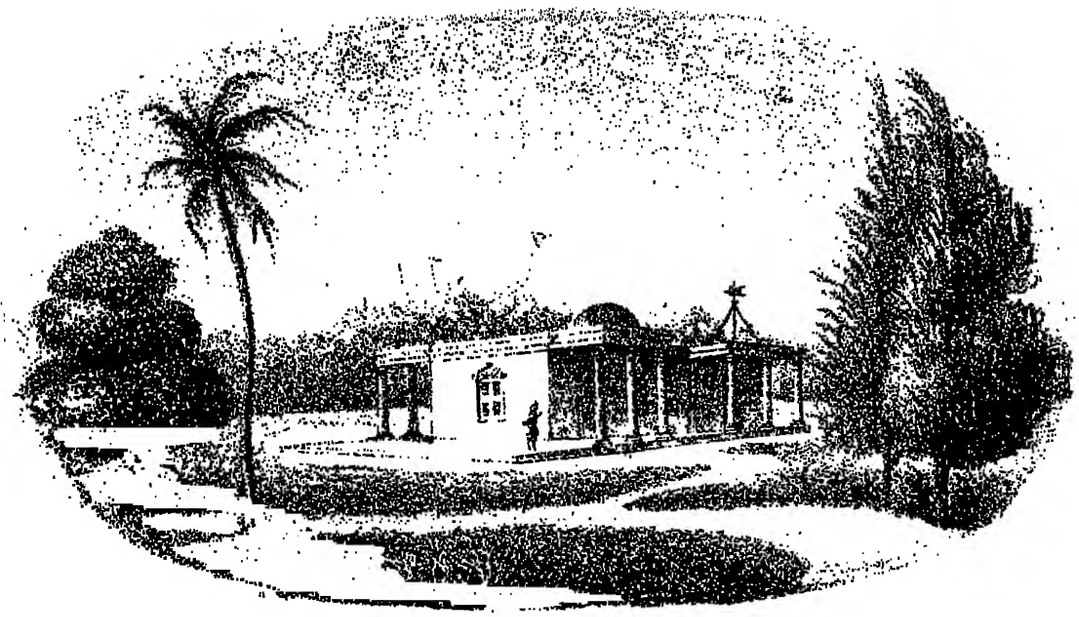
AT MADRAS

IN THE YEARS 1830—1843

BY

THOMAS GLANVILLE TAYLOR, ESQ. F.R.S. F.R.A.S.,

ASTRONOMER TO THE HONORABLE COMPANY



PRINTED BY ORDER OF THE MADRAS GOVERNMENT,

MADRAS:

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MDCCCXLIV.

PREFACE.

In the present volume—I had intended to have given the Solar and Planetary and other observations for 1838—1840, which circumstances had compelled me to omit in the fifth volume; but as the computation and printing of the Catalogue has proceeded, the vast number of figures to be gone over, added to the fact of my time having been much taken up at distant stations with other duties, has left me little or no leisure to attend to the other computations; added to this,—the consideration that the present Catalogue is a work in itself of considerable importance, and sufficiently distinct from other Astronomical observations, I have thought it advisable again to postpone the Solar and Planetary observations, and give the Catalogue as it now stands in a separate volume.

To have rendered the present volume complete in itself, I should perhaps have explained minutely the dimensions of the instruments employed and the manner in which they have been used, have traced the history of the existence and discovery of the error of division, and finally have exhibited specimens of computation and formulæ &c. &c. but considering that these expalnations have already been given in the former volumes of this work, and regarding the present volume merely as a corrected copy of the several catalogues they contain, I have thought it unnecessary again to enter into detailed explanations; I have however as far as regards the *now corrected* Declinations, instituted a comparison between the places in the Catalogue and those given in the Nautical Almanac, the result of this comparison exhibits—that the Madras Mural Circle when corrected for error of division—agrees in almost every case to a wonderful degree of exactness with the Greenwich Instruments; in the few cases however,—where a less perfect accordance is met with, the discrepancies appear more like errors of observation or reduction than those resulting from the instruments employed. By way of attracting attention to the proper motions of the fixed stars, a subject, which,—principally for want of data has hitherto been much overlooked, I have given a table of all the Stars in which either the observations of Piazzi or my own have exhibited a proper motion exceeding a quarter of a second of arc: amongst the several instances in which a variable amount of proper motion is here met with, in some cases discrepancies no doubt exist, but in others—it will be for future Astronomers to determine the amount and law of variation: that the present volume may assist in so interesting an enquiry is the utmost limit of my ambition.

MADRAS OBSERVATORY,
June 10*th* 1844.

T. G. TAYLOR,
H. C. Astronomer.

N. B. The Longitude of the Madras Observatory has hitherto been assumed at 5^h, 21^m. 3^s. 8 E. of Greenwich, but from the Moon Culminating Stars observed between 1838 & 1843—compared with Greenwich (including observations of the *second* as well as first Limb of the Moon) I am enabled to state—approximately, that the Longitude comes out 5^h. 20^m. 57^s:—the Latitude continues to be assumed at 13°. 4′. 9″. 2 N.

T. G. T.

THE

MADRAS GENERAL CATALOGUE,

OF THE

PRINCIPAL FIXED STARS.

In Volume I. of the "Results of Astronomical Observations made at the Madras Observatory," —is given a catalogue of the Mean places of 1118 of the principal fixed Stars, reduced to the commencement of the year in which they were observed (Jan. 1, 1831); in the second volume of the same work—results for 1832 and 1833, re-observed places of several of these Stars are given, and the catalogue enlarged so as to comprehend all the visible stars of the Royal Astronomical Society's Catalogue (2881 stars). In the third volume,—results for 1834 and 1835, a few of the stars of the above catalogue had accidentally been re-observed and are included in the catalogue 3003 stars there given. In the fourth Volume,—results for 1836 and 1837, the re-observed places of a few of the afore mentioned stars are given, and a further catalogue of 2066 stars observed, comprising in all, the catalogue of 7646 stars observed by Piazzi; finally in the fifth Volume—"results for 1838 and 1839,"—will be found a catalogue of 3445 *southern* stars, which had been selected with reference to the Paramatta catalogue,—making altogether about 11000 stars: all of these stars had been observed with the same instruments and were reduced by the same formula, and it had been assumed, that the *error of division* was too small to require my particular attention; towards the conclusion of the fifth Volume however, just before proceeding to England in 1840, a systematic error of considerable magnitude had been discovered in the division of the Mural Circle, and its amount accurately ascertained for each single division; thus equipped, on my return from Europe in 1842, I immediately commenced the embodying these several catalogues into one, correcting each place for the error incident to the divisions on which it had been observed, and reducing the whole to Jan. 1, 1835, or about the middle period of the observations; whilst this—which has been performed twice over, was in the course of computation, I was enabled to re-observe several stars whose places gave large proper motion as

compared with Piazzi, or differed much when compared with the Paramatta catalogue, these too, the observations to the end of 1843—have now been added to the former results, and constituted what is here called the "*Madras General Catalogue.*"

In reducing these catalogues to a common epoch, in a general way—the annual precession alone has been employed, but in all cases in which the proper motion was found to exceed half a second of space, and in a few cases where the Madras results *inter se* have exhibited a proper motion exceeding 0″,25 and *the same as been confirmed by Piazzi or Brisbane,*—in each of these cases the proper motion has been admitted in the final reduction to 1835. The annual precessions have been computed from formula

$$* \quad d\,\alpha = +\ 46{,}0602'' + 20{,}0572'' \sin \alpha \tan \delta$$
$$d\,\delta = -\ 20{,}0572 \cos. \alpha$$

These likewise have been computed for the year 1835, but may readily be adapted to any year by the help of the columns $d^2\,\alpha$, $d^2\,\delta$; thus, required the right ascension and declination of δ Urs. Min. for the year 1845; the work will stand thus—

		s.			″
$d\,\alpha$ for Jan. 1. 1835	=	— 19.224	$d\,\delta$ for Jan. 1. 1835	+	2.230
$d^2\,\alpha \times 5$ — — —		— 35	$d^2\,\delta \times 5$ — — —	—	.140
$d\,\alpha$ Jan. 1. 1840	=	— 19.259	$d\,\delta$ Jan. 1. 1840	+	2.090
Proper motion		+ .106	Proper motion	+	.100
Annual variation for 1840.		—19.153	Annual variation for 1840.	+	2.190
		10			10
Variation in 10 years		— 3 11.53	Variation in 10 years		21.90
α Jan. 1. 1835.	=	18 25 32.04	δ Jan. 1. 1835.	+	86 35 18.83
α Jan. 1. 1845.	=	18 22 20.51	δ Jan. 1. 1845.	+	86 35 40.73

The annual proper motions in right ascension have mostly been copied from the former volumes of this work; they were derived from a comparison of the places of the several stars (*reduced to the commencement of the year in which they were observed*) with Piazzi's catalogue for the year 1800; the annual variation thus deduced —being compared with the annual precession computed for the middle year between 1800 and the date of observation, gave the annual proper motion; these proper motions are however generally speaking erroneous, and that too arising from two separate causes, but as the amount of error which may attach to them is of a debateable nature, I have thought it best to reprint them in their uncorrected state, and then to enquire into the extent of the correction they may require. In the first place these proper motions are erro-

* Derived from Page cxix, Vol. IV.

neous by reason of a wrong assumption of the place of the Equinoctial Point, which at page 72 vol. IV. was found to be behind its true place 0,144*s*, or, it would appear that each right ascension in the Catalogue should be diminished by this amount, and consequently that each proper motion should receive the correction $-\frac{0,144}{35}$ or —,0041 : in addition to this, the proper motions set down in the Catalogue, bear reference to a certain value assumed for the general precession of the Equinoxes, see pages XI & XII of vol. II part III of the Astronomical Society's Memoirs ; if the value here assigned by Mr. Bailly be acceded to, the correction just found alone is necessary to reduce the tabulated proper motions to the truth, but if the result arrived at—at page CXIX of volume IV (which has been employed in computing the annual precession in this volume) should be admitted, then—each proper motion in right ascension will require the further correction

$$-.0025-.0010 \sin \alpha \tan \delta$$

or altogether as follows.

Corrections due to the proper motions in A. R. from an error of 0,144*s*. *in the assumed place of the Equinox.*

Declination.										
Right Ascension.		—70° +	—50° +	—30° +	0	+30° —	+50° —	+70° —	Right Ascension.	
H	H	s.	s.	s.	s.	s.	s.	s.	H	H
0	XII	,0066	,0066	,0066	,0066	,0066	,0066	,0066	XII	0
I	XI	,0059	,0063	,0064	,0066	,0067	,0069	,0073	XIII	XXIII
II	X	,0052	,0060	,0063	,0066	,0069	,0072	,0080	XIV	XXII
III	IX	,0047	,0058	,0062	,0066	,0070	,0074	,0085	XV	XXI
IV	VIII	,0042	,0056	,0061	,0066	,0071	,0076	,0090	XVI	XX
V	VII	,0039	,0054	,0060	,0066	,0072	,0078	,0093	XVII	XIX
VI	VI	,0039	,0054	,0060	,0066	,0072	,0078	,0093	XVIII	XVIII

That some correction of the nature here exhibited is necessary, is at once evident on inspecting any single page of the catalogue, where— a determination to the positive sign cannot be overlooked. On taking the mean of the P. M. in right ascension as well as declination, omitting only those Stars (which I have called "proper motions stars"), in which the amount reaches to 0″,25 of arc, we get as follows.

A table of the sum of + and — proper motions in each hour of A. R.

Hour.	P. M. Stars	*Right Ascension* No. & sum of + & — P. M.				P. M. Stars	*Declination* No. & sum of + & — P. M.			
				s	s				″	″
0	17	265	=	+3,468	+,01165	9	67	=	+ 2,21	—,0489
		22	=	—0,124			229	=	—16,67	
I	15	231	=	+2,979	+,01078	10	67	=	+ 1,81	—,0498
		29	=	—0,175			195	=	—14,86	
II	13	209	=	+2,586	+,00844	9	62	=	+ 2,50	—,0540
		50	=	—0,400			198	=	—16,53	
III	3	217	=	+2,471	+,00872	10	58	=	+ 2,44	—,0469
		39	=	—0,237			191	=	—14,11	
IV	9	264	=	+3,071	+,00890	6	63	=	+ 2,59	—,0544
		44	=	—0,329			237	=	—18,90	
V	5	302	=	+2,880	+,00733	12	88	=	+ 3,01	—,0462
		48	=	—0,313			253	=	—18,76	
VI	8	285	=	+2,950	+,00772	9	107	=	+ 4,49	—,0358
		50	=	—0,363			225	=	—16,37	
VII	10	262	=	+2,553	+,00749	10	85	=	+ 4,18	—,0402
		41	=	—0,283			221	=	—16,47	
VIII	7	215	=	+2,308	+,00723	7	53	=	+ 1,72	—,0484
		52	=	—0,377			214	=	—14,63	
IX	8	198	=	+2,017	+,00692	4	59	=	+ 2,10	—,0456
		49	=	—0,307			191	=	—13,50	
X	8	197	=	+2,286	+,00762	4	31	=	+ 1,54	—,0580
		48	=	—0,420			224	=	—16,33	
XI	10	181	=	+2,169	+,00817	4	55	=	+ 2,17	—,0555
		38	=	—0,380			189	=	—15,72	
XII	8	234	=	+2,683	+,00839	4	53	=	+ 2,35	—,0459
		41	=	—0,376			226	=	—15,16	
XIII	15	238	=	+2,359	+,00619	16	76	=	+ 2,03	—,0448
		61	=	—0,509			224	=	—15,48	
XIV	6	222	=	+2,195	+,00648	11	62	=	+ 2,67	—,0494
		59	=	—0,374			216	=	—16,39	
XV	5	241	=	+2,423	+,00762	11	53	=	+ 1,79	—,0584
		38	=	—0,297			220	=	—17,72	
XVI	8	234	=	+2,107	+,00546	18	48	=	+ 1,98	—,0649
		70	=	—0,447			246	=	—21,05	
XVII	8	305	=	+3,183	+,00719	13	59	=	+ 2,98	—,0648
		70	=	—0,485			312	=	—27,02	
XVIII	10	275	=	+2,657	+,00755	11	40	=	+ 1,20	—,0812
		42	=	—0,265			274	=	—26,71	
XIX	9	364	=	+3,903	+,00846	12	61	=	+ 2,09	—,0718
		53	=	—0,376			352	=	—31,73	
XX	21	405	=	+4,773	+,00965	13	73	=	+ 3,80	—,0649
		54	=	—0,346			394	=	—34,10	
XXI	16	359	=	+4,741	+,01084	7	55	=	+ 2,74	—,0616
		47	=	—0,338			352	=	—27,81	
XXII	20	277	=	+3,363	+,01085	7	53	=	+ 2,01	—,0621
		24	=	—0,098			259	=	—21,37	
XXIII	13	252	=	+3,303	+,01129	4	58	=	+ 2,88	—,0512
		27	=	—0,148			230	=	—17,62	

Taking the sums and means, we obtain as follows:

For Right Ascension,				For Declination.			
P. M. Stars	*Sum of + and — P. M.*			*P. M. Stars*	*Sum of + and — P. M.*		
252	+ 6231 — 1096		s. +,00837	221	+ 1486 — 5872		″ —,0544

In the fourth volume of the "Madras results"—with the declinations *uncorrected* for error of division, I have shown that the amounts and irregularities exhibited by a table similar to the above, can be explained by the admission of an annual motion of the Solar system in space, to the amount of 0,″06, directed towards the North Pole of the Ecliptic, and the above table, in which the correction for error of division has been allowed—still exhibits the same tendency, but the importance of the subject renders further observation necessary before it would be safe to admit such a theory into our calculations.

The values of $d^2\alpha$ and $d^2\delta$ have been taken from tables of double entry (similar to those given at P. 113-114 of Vol. IV,) which were constructed for this purpose to five places of decimals, but in the course of re-examination—in a general way the values set down in the catalogue have only been tested as far as the first four decimals, beyond which in practice they will seldom if ever be required.

As a matter of precaution, which experience has shewn to be peculiarly necessary to works printed in India, before publishing the present work, I have caused the printed copy to be again read over with the Manuscript, the result has been, that an unusually large number of errors have been detected as now follows,—these corrected, the work will I believe be singularly free from error.

Page.	No.	Column.	Error.	Correction.
V	142	δ	55° 14′	56° 14′
——	176	Annual P. M.	,134	,034
——	178	Star's name	o	a
——	178	Star's mag.	5	3
VII	242	Star's name	ι	ϑ
XIII	525	δ	58° 50′	58° 58′
XIV	576	Star's name	o	o
XV	622	δ	47° 28′	47° 27′
XVI	632	Star's name	ϑ	φ
——	635	Star's name	l	ι
——	642	Star's name	ϰ	χ
——	646	δ	49° 11′	48° 11′
XVIII	745	δ	56° 15′	56° 14′
——	746	Annual P. M.	—, 031	+, 114
XX	816	Star's name	72 Ceti	72 Ceti ρ
——	817	δ	17′ 58″	17′ 48″
——	817	Annual P. M.	——	—2,″5 T. B.
——	820	Star's name	12 Tranguli	12 Trianguli c
XXI	868	Star's name	ν	υ
XXII	908	Star's name	a	a
XXIII	946	Star's name	P¹	p¹
——	963	δ	68° 18′	58° 18′
XXVII	1161	δ	51′ 16″,09	50′ 47″74
XXVIII	1175	δ	38° 52′	38° 53′
——	1189	Star's name	S	s
XXXIII	1434	No.	434	1434
XXXVIII	1636	δ	35° 37′	35° 57′
XL	1712	Star's name	o¹	o¹
——	1743	Star's name	o²	o²
XLI	1758	δ	25° 50′	25° 59′
XLIII	1867	Star's name	4 Leporis	3 Leporis
XLIV	1918	Star's name	o	o
XLV	1955	Star's name	P	p
XLIX	2124	Annual P. M.	,008	+,008
——	2160	Annual P. M.	,008	+,008
LI	2206	Annual P. M.	01,″ 0	0,″10
——	2207	Annual P. M.	0, 2	, 02
——	2228	δ	27′ 54,″ 95	28′ 0″,95
——	2228	Annual P. M.	——	+ 1,2 T. B.
LII	2271	δ	52° 38′	52° 39′
LIV	2353	Star's name	α	a
LV	2387	Star's name	α	a
LVII	2502	Star's name	a	a
LIX	2580	δ	50° 21′	50° 20′
——	2584	Star's name	51 Aurigæ	54 Aurigæ

Pages.	No.	Column.	Error	Correction.
LX	2649	δ	8′ 17,″ 85	8′ 19″, 85
LXIII	2790	Annual P. M.	———	—,03
LXV	2846	Star's name	o	o
LXX	3061	Star's name	o	o
——	3083	Star's name	α	α^2
LXXIV	3248	Star's name	o	o
——	3256	α	8,17s	5, 65s
——	3279	Star's name	p	P
LXXV	3310	δ	13′ 21,″ 76	13′ 27″, 76
LXXXI	3586	δ	48° 22′	48° 31′
——	3596	Star's name	Navis	Navis ε
LXXXII	3625	δ	52° 8′	52° 9′
LXXXIII	3690	δ	4′ 15,″23	4′ 20,″83
LXXXIV	3708	Star's name	o	o
LXXXV	3763	Star's name	o	o
LXXXVI	3781	Star's name	a	α
LXXXIX	3916	Annual P. M.	,000″	0,″00
——	3920	Annual P. M.	,000″	0,″00
——	3932	Star's name	59 Cancri	69 Cancri
XC	3981	Star's name	a	α
XCI	4028	δ	35′ 51,″85	35′ 53,″31
XCII	4065	No. Obs.	4 and 4	8 and 8
——	4071	Annual P. M.	916	,016
XCVI	4238	δ	9′ 9″ 00	9′ 19,″00
——	4272	Star's name	14 Leonis o	14 Leonis o
XCVIII	4333	Star's name	Arg. in Car. b	Arg. in Car. l
CI	4493	No. Obs.	1	3
——	4493	δ	24′ 2″ 51	24′ 8″51
CII	4533	Star's name	10 Sextantis	9 Sextantis
CVII	4761	No. Obs.	2	4
——	4761	δ	33′ 39″ 18	34′ 33″,65
CIX	4846	Star's name	o^1	o^1
——	4857	Star's name	o^2	o^2
CXI	4907	Star's name	o	o
——	4914	d α	2, 403s	2,475s
——	4914	δ	57° 15′	54°,15′
CXIII	5020	δ	59° 57′	59°,56′
CXIV	5070	δ	51° 29′	51°,30′
CXV	5119	Star's name	l	t
CXXIV	5518	δ	39° 43′	33°.43′
CXXVI	5582	Annual P. M.	—,002	—0″,02
CXXVII	5642	Star's name	u	n
——	5653	δ	36° 51′	36°,52
CXXVIII	5680	Star's name	6 Corvi	6 Corvi ι
——	5707	Star's name	l	b
——	5714	Star's name	α	a

Page.	No.	Column.	Error.	Correction.
CXXX	5782	Star's name	3 Can. Ven. *d*	8 Can. Ven. *d*
CXXXII	5893	Star's name	o	*o*
CXXXIII	5932	Star's name	o	*o*
CXXXIV	5959	Star's name	*a*	*a*
CXXXVI	6056	Star's name	ω	*w*
CXXXVII	6078	Star's name	ω	*w*
CXXXIX	6196	Star's name	68 Virginis	68 Virginis *i*
CXLII	6317	Star's name	*s*	ε
CXLIII	6364	Star's name	o	*o*
——	6378	*a*	35*m*	36*m*
——	6378	Annual P. M.	—,0*s* 56	—,0*s* 43
CXLIX	6653	Annual P. M.	—,05	—2″,05
——	6659	Star's name	*l*	ι
CLV	6897	Star's name	o	*o*
——	6901	Star's name	Z	*z*
CLVI	6969	Star's name	χ	κ
CLVIII	7046	δ	56° 28′	56° 29′
CLIX	7075	δ	44° 35′	47° 35′
CLXIII	7264	Star's name	o	θ
CLXIV	7325	Star's name	23 Sepentis ι	21 Serpentis ι
CLXV	7371	δ	52′ 57,″ 96	59′ 7″ 96
CLXVII	7464	Star's name	β	β^1
CLXVIII	7480	Star's name	ν	*u*
CLXIX	7545	Star's name	Ophnichi	Ophiuchi
——	7549	Star's name	1 Ophnichi δ	1 Ophiuchi δ
CLXX	7565	Star's name	Ophnichi	Ophiuchi
——	7576	Star's name	2 Ophnichi ε	2 Ophiuchi ε
——	7583	Star's name	9 Scorpii o	19 Scorpii *o*
CLXXIV	7769	Star's name	ι	*i*
——	7779	Star's name	ν	*u*
CLXXVI	7867	Star's name	*h*	κ
CLXXVII	7899	δ	36° 29′	36° 30′
CLXXVIII	7941	δ	35′ 24″ 88	35′ 15″ 88
CLXXIX	7991	Star's name	o	*o*
CLXXX	8016	Star's name	γ	ν
——	8030	Star's name	43 Ophiuchi	43 Ophiuchi *y*
——	8055	Star's name	*l*	*b*
CLXXXVII	8328	Star's name	o	*o*
CXCIX	8874	*a*	45*s* 88*	44*s* 88
CCXV	9613	δ	31′ 44″ 31	31′ 14″ 31
CCXL	10,746	δ	68° 6′	38° 6′

* Same Star as 8872.

N. B. From page cxv. l. 15 et seq. to end of page clxxii diminish the Nos. by 900.

THE

MADRAS GENERAL CATALOGUE

OF

THE PRINCIPAL FIXED STARS,

FROM

OBSERVATIONS MADE IN THE YEARS 1830—1843.

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	
1	Ceti 7	7	0 0 16,00	+3,070	+,00001	+,012	4	— 3 8 27,73	20,058	—,00010	—0,08
2	11 Cassiopeiæ β 2.3	6	0 24,92	3,074	+, 053	+,082	9	+58 14 23,10	,058	, 010	— ,13
3	87 Pegasi u 6	5	0 32,31	3,072	+, 012	+,022	4	+17 17 41,45	,058	, 011	— ,01
4	Phœnicis 7	3	0 41,60	3,067	—, 028	——	3	—54 55 17,02	,058	, 011	——
5	App. Sculp. κ¹ 6	7	0 55,84	3,068	—, 015	+,015	5	—28 54 23,22	,058	, 011	— ,03
6	Phœnicis ε 4	6	1 1,00	3,064	—, 031	——	5	—46 39 26,07	,058	, 012	——
7	Piscium 7	5	1 28,25	3,070	+, 001	+,014	5	— 3 28 45,52	,057	, 012	— ,03
8	34 ——— E¹ 6	6	1 33,91	3,072	+, 008	+,021	5	+10 13 37,60	,057	, 012	— ,11
9	Phœnicis 7.8	3	1 35,40	3,061	—, 030	——	3	—45 35 9,28	,057	, 013	——
10	22 Androm. B 5	5	1 46,27	3,081	+, 033	+,007	5	+45 9 13,57	,057	, 013	— ,01
11	24 Ceti 6.7	12	1 52,14	3,069	—, 001	+,012	10	— 6 9 55,98	,057	, 014	— ,04
12	Androm. 7.8	6	1 56,80	3,076	+, 018	+,018	4	+27 44 4,84	,057	, 015	— ,14
13	Ceti 9	4	1 57,56	3,068	—, 005	+,019	4	—12 42 14,03	,057	, 015	— ,06
14	——— var.	4	2 42,98	3,069	, 000	+,008	3	— 4 14 21,14	,056	, 016	— ,04
15	6 ——— f 6	4	2 51,92	3,066	—, 009	+,011	5	—16 22 23,54	,056	, 016	— ,13
16	App. Sculp. κ² 5.6	6	3 10,95	3,060	—, 016	+,004	6	—28 43 7,73	,056	, 017	+ ,01
17	——— θ 6	7	3 20,29	3,056	—, 021	+,024	6	—36 3 24,18	,056	, 017	+ ,16
18	Androm. 7.8	4	3 30,63	3,081	+, 001	+,014	4	+27 41 33,54	,056	, 017	— ,15
19	Phœnicis 7	3	3 37,53	3,051	—, 027	——	3	—43 5 16,60	,055	, 017	——
20	Toucanæ 7.8	3	3 50,28	3,032	—, 048	——	3	—59 26 10,92	,055	, 017	——
21	88 Pegasi γ 2.3	52	4 44,92	3,078	+, 011	+,016	30	+14 15 58,82	,054	, 021	+ ,01
22	Ceti 8	5	4 46,37	3,068	—, 001	+,006	4	— 6 9 33,73	,054	, 021	— ,04
23	App. Sculp. 8	4	4 53,96	3,048	—, 021	+,010	3	—38 44 25,84	,053	, 019	— ,03
24	61 Androm. 6.7	6	4 57,94	3,095	+, 030	—,010	8	+40 7 25,69	,053	, 021	— ,22
25	Phœnicis 7	3	5 29,74	3,033	—, 035	——	3	—49 36 3,51	,052	, 020	——
26	Phœnicis 8	6	5 39,58	3,018	—, 047	——	7	—57 55 10,84	,051	, 020	——
27	Androm. 8	3	5 57,67	3,100	+, 029	+,011	2	+40 6 48,11	,051	, 025	— ,05
28	89 Pegasi χ 6	5	6 4,50	3,083	+, 013	+,013	5	+19 17 20,24	,051	, 025	— ,07
29	7 Ceti h 5.6	5	6 15,42	3,057	—, 007	+,014	6	—19 50 49,20	,051	, 023	— ,05
30	35 Piscium B 6	5	6 29,24	3,076	+, 007	+,017	5	+ 7 54 15,52	,050	, 025	— ,10
31	Piscium 8.9	3	6 29,68	3,076	+, 007	+,008	3	+ 7 54 4,89	,050	, 025	— ,04
32	Androm. 7.8	3	6 33,56	3,093	+, 021	+,020	3	+30 37 5,66	,050	, 026	— ,08
33	41 App. Sculp. 7.8	6	6 37,87	3,043	—, 019	+,039	6	—35 49 17,90	,049	, 023	— ,13
34	Androm. 7.8	4	6 38,11	3,090	+, 018	+,011	3	+26 21 58,69	,049	, 026	— ,12
35	Piscium 7.8	3	6 15,11	3,066	—, 002	+,016	3	— 7 3 10,68	,048	, 025	+ ,02
36	Piscium 7.8	3	7 36,44	3,076	+, 007	+,007	3	+ 7 11 56,45	,047	, 027	— ,07
37	App. Sculp. 7	3	7 47,69	3,042	—, 016	+,018	3	—32 21 45,74	,046	, 025	— ,02
38	36 Piscium 6.7	5	8 5,83	3,077	+, 007	+,013	5	+ 7 19 25,39	,045	, 027	— ,04
39	Cassiopeiæ 7	3	8 8,61	3,155	+, 060	+,019	3	+60 36 58,74	,045	, 029	+ ,03
40	Piscium 7.8	3	8 12,26	3,071	+, 003	+,014	3	+ 0 55 57,61	,045	, 027	— ,03
41	95 Piscium 7	3	8 15,75	3,082	+, 008	+,016	4	+12 59 59,10	,045	, 028	— ,05
42	App. Sculp. 7	2	8 23,63	3,038	—, 015	——	2	—33 36 9,54	,044	, 027	——
43	24 Androm θ 5	6	8 29,57	3,109	+, 022	+,012	13	+37 45 54,38	,044	, 029	— ,02
44	Ceti 8.9	3	8 42,56	3,059	—, 002	+,016	4	—12 57 29,19	,043	, 029	— ,03
45	96 Piscium 7	3	8 55,03	3,078	+, 006	+,021	4	+ 7 57 20,86	,042	, 031	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P.M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P.M.
			h. m. s.	s.	s.	s		° ′ ″	″ +	″	″
46	Ceti 7	3	0 9 10,10	+3,051	—,00007	+,002	4	—19 58 5,34	20,042	—,00028	+0,04
47	97 Piscium 7.8	3	9 17,05	3,085	+, 013	+,031	4	+15 24 54,89	,041	, 030	— ,05
48	33 ——— 6.7	6	9 19,52	3,071	+, 003	+,012	5	+ 0 46 23,96	,041	, 030	+ ,23
49	——— 7 8	3	9 22,06	3,068	+, 002	+,006	4	— 2 46 49,16	,041	, 030	+ ,16
50	Androm. σ 6	3	9 43,76	3,112	+, 026	+,012	4	+35 52 11,37	,040	, 033	— ,03
51	Ceti 7.8	3	9 51,84	3,068	+, 002	+,012	3	— 2 55 55,34	,040	, 032	+ ,19
52	71 Androm. 7	3	10 1,87	3,125	+, 033	+,014	4	+42 52 26,08	,039	, 033	— ,01
53	App. Sculp χ 7	3	10 1,98	3,026	—, 019	——	3	—37 25 33,27	,039	, 030	——
54	Androm. 7.8	2	10 2,07	3,105	+, 022	+,016	3	+30 36 1,52	,039	, 033	— ,03
55	Piscium 8	3	10 23,67	3,058	—, 002	+,019	2	—11 51 54,22	,038	, 031	+ ,03
56	Phœnicis 6	3	10 28,33	3,011	—, 026	+,006	2	—44 9 10,86	,037	, 030	— ,07
57	Androm. 8	3	10 48,24	3,101	+, 018	+,012	3	+25 32 15,19	,036	, 034	— ,10
58	8 Ceti ι 4	13	11 1,33	3,060	—, 002	+,008	11	— 9 44 21,16	,035	, 034	— ,11
59	40 Piscium 6	7	11 25,21	3,088	+, 012	+,014	5	+15 20 5,38	,033	, 035	— ,03
60	Toucanæ ζ 5	10	11 26,01	2,922	—, 058	+,299	15	—65 50 41,19	,033	, 030	+1,78
61	Ceti 7.8	6	11 46,01	3,048	—, 004	+,007	5	—13 58 43,81	,031	, 034	—0,08
62	41 Piscium d 5.6	16	12 6,82	3,080	+, 006	—,004	7	+ 7 16 25,54	,030	, 035	+ ,03
63	Androm. ρ 6	3	12 27,04	3,125	+, 028	+,015	4	+37 3 13,95	,028	, 038	— ,12
64	App. Sculp. 7.8	3	12 41,31	3,008	—, 022	——	3	—40 9 17,87	,027	, 033	——
65	Androm. 7.8	3	12 54,94	3,128	+, 028	+,014	4	+37 16 17,44	,025	, 038	— ,07
66	App. Sculp. 7.8	4	12 59,90	3,014	—, 020	—,001	3	—36 42 48,12	,025	. 035	— ,06
67	——— ——— 6	6	13 13,32	3,026	—, 015	+,008	5	—29 53 38,13	,024	, 036	,00
68	Ceti 8	3	13 14,13	3,047	—, 006	+,014	3	—17 7 23,95	,024	, 037	— ,04
69	App. Sculp. 8	3	13 31,67	3,036	—, 009	+,028	3	—23 55 8,05	,022	, 038	— ,18
70	Cassiopeiæ 8	4	13 53,68	3,218	+, 062	+,032	3	+61 19 32,39	,020	, 042	+ ,01
71	105 Piscium 6	3	13 53,94	3,089	+, 011	+,020	4	+12 33 55,97	,020	, 042	— ,05
72	Cassiopeiæ 9	3	14 18,54	3,224	+, 062	+,015	1	+61 23 50,64	,018	, 043	— ,12
73	9 Ceti 6	6	14 24,25	3,051	—, 002	+,021	5	—13 7 40,04	,018	, 041	+ ,05
74	——— 7	4	14 42,05	3,045	—, 006	+,009	4	—16 51 34,99	,017	, 040	— ,01
75	App. Sculp. ω 7	6	14 56,28	3,016	—, 016	—,004	7	—31 57 4,66	,015	, 034	— ,01
76	39 Cassiopeiæ. 6	2	15 44,75	3,236	+, 063	+,016	4	+60 54 55,78	,011	, 046	— ,03
77	Androm. 7.8	4	16 0,99	3,125	+, 022	+,011	4	+30 27 29,56	,009	, 045	— ,03
78	Ceti 6.7	8	16 4,10	3,063	, 000	+,007	6	— 3 7 54,87	,009	, 045	+ ,04
79	106 Piscium 6	3	16 6,19	3,093	+, 011	+,011	4	+13 24 1,83	,009	, 047	— ,05
80	Ceti 8	4	16 27,39	3,049	—, 002	+,003	4	—12 37 30,37	,006	, 044	+ ,01
81	Ceti 8	4	16 32,93	3,041	—, 004	+,022	4	—16 56 36,23	,006	, 044	— ,08
82	Phœnicis 7	3	16 33,96	2,947	—, 033	——	3	—51 56 48,99	,006	, 040	——
83	Hydri β —	—	16 —,—	——	——	——	—	—78 — ——	,—	——	——
84	44 Piscium t 6	7	16 56,83	3,072	+, 003	+,006	5	+ 1 1 31,90	,003	, 046	— ,04
85	45 Piscium 6	6	17 11,92	3,082	+, 006	+,012	5	+ 6 46 41,15	,002	, 046	— ,09
86	Ceti 7.8	3	17 29,08	3,054	—, 001	+,012	4	— 9 15 55,93	19,999	, 047	+ ,02
87	Piscium 7	3	17 29,46	3,106	+, 015	+,014	4	+19 13 54,37	,999	, 048	— ,09
88	Phœnicis κ 5	5	18 4,51	2,967	—, 026	+,040	10	—44 35 45,70	,996	, 044	— ,24
89	——— α 2	17	18 6,75	2,971	—, 025	+,020	13	—43 12 7,78	,996	, 044	— ,49
90	10 Ceti 6	9	18 9,97	3,069	+, 003	+,016	5	— 0 57 49,48	,995	, 048	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P.M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
91	Piscium 7.8	4	0 18 26,40	+3,119	+,00017	+,006	4	+24 7 43,16	19,993	—,00049	—0,07
92	Ceti 7	3	18 40,53	3,059	—, 001	+,009	3	— 5 55 1,37	,991	, 049	— ,10
93	Piscium 7.8	4	18 52,58	3,074	+, 004	+,006	4	+ 1 54 1,46	,990	, 050	— ,09
94	96 Androm. 6	3	19 23,14	3,178	+, 034	+,005	4	+43 28 51,61	,986	, 053	— ,04
95	112 Piscium 7	3	19 23,85	3,109	+, 014	+,006	4	+18 36 3,03	,986	, 052	— ,05
96	47 Piscium 6	6	19 27,15	3,105	+, 014	+,018	11	+16 58 43,58	,986	, 052	+ ,02
97	Ceti 7.8	3	19 38,03	3,045	—, 001	+,006	3	—12 34 18,54	,984	, 050	— ,04
98	48 Piscium 6	6	19 39,13	3,102	+, 013	+,021	5	+15 31 55,66	,984	, 052	— ,04
99	App. Sculp. η 5,6	6	19 44,30	2,993	—, 016	+,002	7	—33 55 7,04	,984	, 048	— ,02
100	Androm. 7	3	20 12,38	3,150	+, 028	+,005	4	+35 59 11,28	,981	, 053	,00
101	App. Sculp. 6	9	20 17,90	2,969	—, 022	+,011	11	—40 49 36,38	,980	, 047	,00
102	Phœnicis 7.8	4	20 19,70	2,921	—, 032	——	7	—51 32 22,67	,980	, 045	——
103	—— 6.7	6	20 43,56	2,919	—, 032	——	4	—51 26 45,11	,976	, 046	——
104	Ceti 8	4	20 48,65	3,044	—, 001	+,016	4	—12 30 43,23	,976	, 051	+ ,03
105	—— 7	3	21 3,66	3,061	+, 001	+,006	4	— 4 22 59,04	,974	, 054	— ,05
106	Phœnicis 7.8	6	21 8,39	2,916	—, 032	——	5	—51 31 4,38	,973	, 046	——
107	App. Sculp. 7	5	21 17,56	2,961	—, 023	+,022	6	—41 34 41,73	,972	, 048	,00
108	Piscium 7.8	3	21 23,68	3,088	+, 006	+,004	4	+ 7 53 33,76	,971	, 055	— ,04
109	28 Androm. 6	5	21 25,92	3,139	+, 021	+,014	5	+28 50 28,67	,970	, 056	— ,02
110	65 Ceti 7.8	3	21 27,83	3,066	+, 002	+,023	4	— 2 1 38,23	,970	, 055	— ,20
111	Ceti 6	6	21 30,14	3,035	—, 004	+,025	5	—15 46 31,41	,970	, 052	+ ,02
112	12 —— η 6	7	21 37,35	3,060	, 000	+,012	4	— 4 52 11,79	,969	, 055	— ,02
113	App. Sculp. 8.9	6	21 52,50	2,958	—, 022	——	5	—41 22 32,45	,967	, 050	——
114	47 Cassiopeiæ 6.7	3	21 59,98	3,353	+, 083	+,039	3	+65 36 24,89	,966	, 060	— ,04
115	Ceti 6	6	22 7,47	3,011	—, 009	+,003	5	—24 42 4,15	,965	, 054	+ ,01
116	117 Piscium 7	2	22 13,52	3,106	+, 014	+,008	3	+15 7 31,27	,964	, 057	— ,06
117	Androm. 7	3	22 21,64	3,192	+, 035	+,001	2	+43 2 2,26	,963	, 059	— ,06
118	App. Sculp. 7	4	22 23,31	2,954	—, 023	+,006	3	—41 51 11,31	,963	, 051	+ ,05
119	—— —— 7	3	22 23,39	2,959	—, 022	——	3	—40 25 39,79	,963	, 051	——
120	Phœnicis 7.	3	22 26,22	2,919	—, 030	——	3	—49 7 25,13	,962	, 050	——
121	Ceti 8	3	22 38,16	3,045	—, 001	+,015	3	—10 59 47,43	,960	, 056	— ,04
122	14 Cassiopeiæ λ 5	8	22 42,45	3,251	+, 052	+,017	10	+53 36 37,39	,960	, 061	— ,19
123	Piscium 7	3	23 1,94	3,107	+, 013	+,006	2	+15 6 38,02	,957	, 059	— ,12
124	—— 7.8	2	23 20,89	3,080	+, 001	,000	3	+ 3 56 6,25	,953	, 059	— ,02
125	Phœnicis λ¹ 5	6	23 26,66	2,909	—, 030	——	10	—49 42 59,60	,953	, 050	——
126	15 Cassiopeiæ κ 4	5	23 40,86	3,330	+, 070	+,023	12	+62 1 12,02	,951	, 065	+ ,03
127	Ceti 7.8	2	23 46,48	3,022	—, 005	+,010	3	—19 7 57,60	,950	, 058	— ,03
128	51 Piscium 6.7	5	23 53,42	3,085	+, 006	+,011	4	+ 6 2 37,67	,949	, 060	— ,01
129	Toucanæ β¹ 4	8	23 57,27	2,787	—, 048	——	2	—63 50 9,24	,948	, 047	——
130	52 Piscium 6	5	23 57,29	3,120	+, 015	+,022	5	+19 23 5,29	,948	, 061	— ,09
131	Toucanæ β² 4	5	23 57,73	2,786	—, 048	——	2	—63 52 33,17	,948	, 047	——
132	Androm. 7	3	24 7,37	3,142	+, 020	,000	5	+27 22 5,31	,947	, 061	— ,05
133	Cassiopeiæ 8	2	24 19,42	3,312	+, 064	+,011	1	+59 38 11,98	,945	, 061	— ,11
134	Ceti 7.8	2	24 46,98	3,058	, 000	+,016	3	— 4 45 33,62	,941	, 061	— ,06
135	53 Cassiopeiæ 5.6	3	24 52,59	3,393	+, 085	+,035	4	+65 50 21,67	,940	, 066	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
136	Piscium 8	1	0 25 2,92	+3,067	+,00002	+,013	3	— 1 31 8,07	19,939	—,00062	—0,04
137	Toucanæ β³ 5	5	25 10,96	2,771	—, 044	——	9	—63 56 26,63	,937	, 048	——
138	Piscium 8	4	25 11,01	3,081	+, 004	+,002	2	+ 4 2 11,14	,937	, 062	+ ,10
139	App. Sculp. 5.6	6	25 31,01	2,983	—, 013	——	7	—30 28 3,38	,934	, 058	——
140	—— —— 7	6	25 38,22	2,963	—, 018	—,003	7	—35 53 24,62	,932	, 056	— ,53
141	Piscium 7	5	25 38,27	3,095	+, 008	+,015	5	+ 9 23 42,39	,932	, 063	— ,18
142	Phœnicis 7	3	25 45,20	2,855	—, 033	——	3	—55 14 18,63	,931	, 054	——
143	Cassiopeæ 8	2	26 1,21	3,343	+, 069	+,004	2	+60 57 14,23	,929	, 069	— ,02
144	Ceti 7	6	26 4,59	3,056	+, 001	+,009	6	— 5 27 28,24	,928	, 063	— ,06
145	Phœnicis 7	3	26 18,71	2,925	—, 022	——	3	—43 20 35,05	,926	, 057	——
146	Cassiopeæ 7	3	26 20,73	3,276	+, 049	+,018	3	+53 17 33,01	,926	, 067	— ,05
147	Piscium 6.7	5	26 22,61	3,105	+, 009	+,008	8	+12 27 48,29	,926	, 066	— ,01
148	Phœnicis 6	3	26 35,91	2,863	—, 032	——	3	—53 17 7,02	,923	, 055	——
149	App. Sculp. 3	3	26 36,27	2,946	—, 019	——	3	—38 54 24,95	,923	, 057	——
150	Androm. 8	3	26 43,84	3,141	+, 017	+,016	3	+24 11 42,48	,921	, 066	— ,14
151	13 Ceti 6	6	26 45,52	3,058	+, 001	+,043	6	— 4 30 7,68	,921	, 065	— ,07
152	Piscium 8	4	26 56,74	3,101	+, 008	,000	2	+10 56 8,98	,920	, 065	— ,16
153	58 Cassiopeæ 5.6	2	26 59,73	3,281	+, 052	+,018	4	+53 15 30,67	,919	, 068	— ,01
154	120 Piscium 6.7	4	27 4,77	3,070	+, 002	+,005	5	— 1 24 45,33	,918	, 065	— ,07
155	Androm. 8	2	27 29,53	3,139	+, 018	+,019	2	+23 6 55,26	,914	, 068	— ,06
156	114 Androm. 6.7	3	27 37,56	3,150	+, 020	+,021	4	+26 20 43,90	,913	, 068	— ,10
157	Phœnicis λ² 7	3	27 48,29	2,885	—, 027	——	3	—48 54 20,67	,910	, 057	——
158	17 Cassiopeæ ζ 4	7	27 49,11	3,285	+, 052	+,015	15	+52 59 15,52	,910	, 069	— ,03
159	115 Androm. 5.6	2	27 49,78	3,225	+, 036	—,001	4	+43 34 37,84	,910	, 069	— ,02
160	Phœnicis 6.7	3	27 50,28	2,827	—, 034	——	3	—55 43 45,10	,910	, 052	——
161	29 Androm. π 4.5	6	28 5,21	3,176	+, 026	+,003	6	+32 48 35,92	,907	, 069	— ,03
162	53 Piscium 5	5	28 12,19	3,112	+, 011	+,016	8	+14 19 24,31	,906	, 069	,00
163	117 Androm. 7	2	28 26,68	3,141	+, 018	+,011	4	+23 6 23,20	,903	, 070	— ,09
164	Piscium 8	2	28 32,36	3,058	+, 002	+,010	3	— 4 18 34,23	,902	, 068	— ,07
165	Androm. 7	3	28 32,38	3,185	+, 027	+,010	3	+34 29 25,37	,902	, 070	+ ,02
166	Ceti 6	7	28 52,10	2,990	—, 010	+,118	9	—25 40 32,64	,899	, 064	— ,02
167	Piscium 7	7	29 1,16	3,077	+, 004	+,021	5	+ 2 13 43,30	,897	, 069	— ,17
168	Ceti 9	4	29 33,42	3,050	—, 001	+,011	3	— 6 54 24,25	,891	, 070	— ,00
169	Phœnicis 7.8	3	29 36,37	2,822	—, 032	——	3	—55 18 7,80	,890	, 054	——
170	15 Ceti 7	6	29 38,63	3,066	+, 002	+,009	4	— 1 24 41,15	,890	, 070	— ,02
171	30 Androm. ε 4	6	29 51,21	3,165	+, 021	—,003	7	+28 24 54,67	,888	, 073	— ,21
172	Piscium 7	3	30 26,63	3,092	+, 006	+,007	3	+ 7 0 27,46	,880	, 072	— ,11
173	Phœnicis —	—	30 ——	——	—, 026	——	—	—47 32 ——	,880	, 060	——
174	31 Androm. δ 3	6	30 31,25	3,173	+, 023	+,017	11	+29 57 24,63	,880	, 075	— ,17
175	Piscium 7.8	6	30 36,49	3,075	+, 004	+,066	5	+ 2 12 44,51	,879	, 072	— ,22
176	130 Piscium 6.7	5	30 47,29	3,137	+, 015	—,134	7	+20 21 33,06	,877	, 074	— ,48
177	——— 7.8	3	31 5,47	3,104	+, 008	+,018	3	+10 37 30,01	,873	, 075	— ,06
178	18 Cassiopeæ ο 5	60	31 11,20	3,337	+, 056	+,014	31	+55 37 51,44	,872	, 080	— ,06
179	55 Piscium 6	5	31 15,19	3,139	+, 015	+,010	5	+20 31 55,82	,871	, 075	— ,05
180	Ceti 7	2	31 24,52	3,032	—, 002	+,013	3	—12 3 11,66	,870	, 071	— ,16

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
181	Phœnicis 7	3	0 31 59,64	+2,880	—,00024	——	3	—45 42 15,50	19,862	—,00063	——
182	91 Ceti 7	3	32 12,12	3,012	—, 005	+ ,022	4	—17 25 20,32	,860	, 072	—0,08
183	Androm. H 6	2	32 12,55	3,220	+, 030	+ ,026	4	+38 33 5,72	,860	, 079	— ,06
184	Ceti 6.7	5	32 18,53	3,053	+, 002	+ ,015	5	— 5 15 30,00	,858	, 075	— ,07
185	Piscium 7.8	3	32 18,90	3,139	+, 015	— ,006	3	+20 6 50,54	,858	, 077	— ,05
186	128 Androm. 5.6	1	32 52,13	3,154	+, 018	+ ,034	4	+23 43 23,86	,852	, 079	— ,08
187	Cassiopeæ ξ 5.6	3	32 53,88	3,295	+, 045	+ ,029	4	+49 36 20,26	,852	, 082	— ,09
188	Piscium 8	3	32 57,64	3,111	+, 009	+ ,013	3	+12 3 21,41	,851	, 079	— ,19
189	App. Sculp. 7.8	5	32 59,04	2,901	—, 021	——	5	—41 26 17,32	,850	, 068	——
190	Piscium 7.8	4	33 1,47	3,138	+, 014	+ ,018	3	+19 14 0,21	,850	, 079	— ,07
191	Ceti 8	2	33 16,43	2,996	—, 007	+ ,010	3	—21 12 22,81	,847	, 074	+ ,02
192	Phœnicis μ 5	9	33 31,14	2,862	—, 022	——	8	—46 59 29,97	,844	, 065	——
193	Ceti 6	5	33 54,66	3,026	—, 001	+ ,008	5	—12 42 33,11	,839	, 076	+ ,01
194	Phœnicis 7.8	6	34 4,84	2,879	—, 021	+ ,024	6	—44 1 50,12	,837	, 069	— ,24
195	20 Cassiopeæ π 5	6	34 22,20	3,278	+, 040	+ ,019	9	+46 7 13,63	,833	, 082	— ,03
196	Ceti 6	5	34 27,67	2,993	—, 007	+ ,008	4	—21 5 56,04	,832	, 076	— ,02
197	99 —— 7	2	34 37,19	3,054	+, 002	+ ,021	4	— 4 45 43,61	,831	, 080	— ,03
198	App. Sculp. λ¹ 6.7	3	34 45,86	2,904	—, 019	+ ,002	5	—39 22 7,31	,829	, 071	+ .04
199	72 Cassiopeæ 5	5	34 53,23	3,781	+, 152	— ,030	7	+74 5 0,80	,827	, 102	— ,11
200	16 Ceti β 2.3	23	35 18,28	3,000	—, 005	+ ,017	10	—18 53 35,64	,821	, 078	+ ,03
201	Ceti 7	3	35 31,75	3,023	—, 002	— ,007	4	—12 54 26,48	,817	, 078	— ,23
202	Cassiopeæ ο 5.6	3	35 33,67	3,295	+, 040	+ ,014	4	+47 22 48,36	,817	, 087	+ ,02
203	17 Ceti φ¹ 5	5	35 51,90	3,028	—, 001	+ ,006	6	—11 30 32,02	,812	, 079	— ,06
204	Phœnicis η 5	4	35 55,05	2,732	—, 030	——	5	—58 22 6,77	,811	, 064	——
205	74 Cassiopeæ 5.6	3	35 56,05	3,361	+, 053	+ ,023	4	+54 19 0,76	,811	, 088	— ,08
206	App. Sculp. λ² 6	3	36 13,25	2,898	—, 017	+ ,027	5	—39 19 55,09	,808	, 073	+ ,06
207	Ceti 6	5	36 34,44	2,980	—, 007	+ ,007	5	—22 54 52,02	,803	, 080	,00
208	Piscium 7.8	3	36 41,48	3,068	+, 003	+ ,026	4	— 0 38 54,39	,801	, 084	— ,10
209	Ceti 7.8	2	36 41,65	3,021	—, 002	+ ,016	2	—13 2 49,01	,801	, 080	+ ,04
210	Phœnicis 7.8	3	36 46,12	2,868	—, 022	——	3	—43 30 12,09	,800	, 073	——
211	Cassiopeæ 7.8	3	36 51,60	3,370	+, 053	+ ,023	1	+54 24 7,85	,798	, 091	+ ,03
212	75 —— 6	6	36 52,82	3,815	+, 153	— ,010	9	+73 56 39,65	,798	, 104	— ,06
213	Ceti 6	5	37 0,48	3,050	+, 001	+ ,012	5	— 5 32 5,40	,797	, 085	— ,02
214	Androm. 7.8	3	37 0,63	3,172	+, 019	+ ,018	3	+25 16 10,53	,797	, 088	— ,04
215	Phœnicis 6.7	5	37 8,51	2,865	—, 022	+ ,012	7	—43 34 35,19	,795	, 074	— ,17
216	18 Ceti 6	7	37 11,54	3,018	—, 002	+ ,008	4	—13 46 30,78	,794	, 081	— ,15
217	Phœnicis 6	3	37 23,74	2,765	—, 028	——	3	—54 37 7,71	,791	, 072	——
218	Ceti 7	3	37 26,82	3,003	—, 004	+ ,017	3	—17 19 40,49	,790	, 082	— ,03
219	Androm. 8	4	37 34,03	3,197	+, 024	+ ,015	3	+30 2 31,51	,789	, 089	— ,10
220	—— 7.8	2	37 37,04	3,199	+, 024	+ ,020	3	+30 2 57,33	,788	, 089	— ,09
221	Phœnicis 8	3	37 38,90	2,812	—, 025	——	3	—49 44 23,94	,787	, 072	——
222	57 Piscium 6.7	5	37 55,36	3,128	+, 011	— ,002	4	+14 34 29,61	,784	, 089	— ,06
223	Phœnicis 7	3	38 0,65	2,821	—, 024	——	3	—48 27 32,22	,783	, 073	——
224	58 Piscium 6	5	38 25,50	3,114	+, 010	+ ,019	5	+11 4 22,35	,777	, 090	— ,03
225	59 —— 6	5	38 31,21	3,146	+, 014	+ ,015	5	+18 40 32,07	,777	, 090	— ,07

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h m. s.	s	s	s		° ′ ″	″ +	″	″
226	34 Androm. ζ 4	6	0 38 36,43	+3,167	+,00018	—,003	12	+23 22 5,97	19,774	—,00093	0,00
227	78 Cassiopeæ 7	3	38 41,23	3,343	+, 049	+,005	4	+50 32 32,76	,773	, 096	— ,04
228	60 Piscium 6	4	38 52,06	3,094	+, 007	+,019	4	+ 5 50 20,91	,770	, 090	— ,10
229	Androm. 8	4	38 56,93	3,178	+, 020	+,022	4	+25 23 19,29	,769	, 093	— ,07
230	24 Cassiopeæ η 4	6	39 9,91	3,420	+, 060	+,152	5	+56 56 15,08	,767	, 098	— ,56
231	144 Piscium 6	3	39 10,63	3,154	+, 016	+,029	4	+20 1 20,75	,766	, 092	— ,04
232	Phœnicis 9.10	5	39 13,82	2,770	—, 027	——	6	—52 54 26,07	,766	, 073	——
233	Piscium 7.8	3	39 30,74	3,043	+, 001	+,003	3	— 6 53 36,61	,762	, 088	,00
234	Cassiopeæ ν 5	3	39 31,37	3,345	+, 047	+,022	4	+50 3 58,35	,762	, 096	— ,09
235	Piscium 6	8	39 44,19	3,088	+, 006	+,060	9	+ 4 25 50,77	,758	, 092	—1,20
236	62 Piscium 6	7	39 44,32	3,096	+, 008	+,020	5	+ 6 23 52,23	,758	, 092	0,00
237	—— 8	3	40 7,43	3,144	+, 014	—,004	4	+17 24 46,46	,752	, 094	+ ,01
238	63 —— δ 5	9	40 7,84	3,098	+, 008	+,013	10	+ 6 41 10,49	,752	, 092	— ,05
239	64 —— y 5.6	5	40 19,14	3,138	+, 013	+,003	5	+16 2 55,40	,749	, 094	— ,23
240	35 Androm. ν 4	10	40 44,58	3,270	+, 033	+,013	10	+40 10 43,44	,743	, 097	,00
241	Piscium 9	3	41 1,79	3,100	+, 008	+,016	3	+ 7 3 13,29	,739	, 094	— ,10
242	65 —— ι 6	5	41 2,38	3,191	+, 022	+,016	5	+26 48 36,35	,739	, 097	— ,03
243	148 Androm. 6.7	3	41 7,37	3,302	+, 039	+,017	4	+44 6 4,87	,738	, 100	,00
244	Ceti 6	3	41 8,41	3,009	—, 002	+,019	3	—14 27 25,96	,738	, 090	— ,06
245	Phœnicis 7	3	41 17,06	2,808	—, 023	——	3	—47 35 59,26	,734	, 080	——
246	Ceti 8	4	41 24,03	3,034	, 000	+,009	4	— 8 45 1,90	,733	, 092	— ,11
247	82 Cassiopeæ 7	3	41 33,22	3,364	+, 048	+,022	4	+50 36 27,16	,731	, 100	— ,06
248	1 Ursæ Min. 6.7	2	41 46,78	10,507	+, 5400	+,416	9	+88 8 1,29	,728	, 278	— ,08
249	19 Ceti φ² 6	7	41 52,00	3,021	—, 001	—,007	5	—11 32 3,11	,726	, 091	— ,23
250	Piscium 8	3	41 58,08	3,141	+, 013	+,008	4	+16 5 31,45	,723	, 098	— ,13
251	83 Cassiopeæ 6.7	3	42 11,55	3,369	+, 049	+,010	3	+50 40 19,38	,720	, 102	— ,07
252	Phœnicis 7.8	2	42 19,24	2,831	—, 020	+,017	2	—44 17 43,36	,719	, 082	— ,01
253	Piscium 8	3	42 22,37	3,101	+, 008	+,010	4	+ 7 8 51,74	,718	, 096	— ,08
254	—— 7.8	4	42 31,86	3,097	+, 007	—,001	4	+ 5 59 58,27	,715	, 096	— ,07
255	155 —— 6.7	2	42 49,24	3,081	+, 005	+,020	4	+ 2 29 21,55	,711	, 097	— ,04
256	Piscium 7.8	3	42 57,19	3,123	+, 011	+,016	3	+11 53 11,54	,708	, 099	— ,04
257	129 Ceti 7	3	43 1,26	3,025	, 000	+,013	4	—10 18 17,83	,707	, 095	,00
258	Phœnicis 6	3	43 9,94	2,752	—, 041	——	3	—51 53 17,75	,705	, 080	——
259	85 Cassiopeæ 5	3	43 16,84	3,509	+, 070	,000	3	+60 13 3,35	,703	, 109	+ ,11
260	60 Phœnicis 7.8	3	44 9,33	2,818	—, 022	+,001	4	—44 36 28,62	,688	, 086	— ,07
261	88 Cassiopeæ 6.7	2	44 18,86	3,397	+, 052	+,028	5	+51 47 32,30	,685	, 107	— ,05
262	20 Ceti m 5	17	44 34,87	3,061	+, 002	+,003	10	— 2 2 28,64	,681	, 099	+ ,02
263	Piscium 8	4	44 45,61	3,156	+, 015	+,005	4	+18 11 48,92	,677	, 104	,00
264	—— 8.9	3	44 48,84	3,153	+, 016	+,003	4	+17 29 47,35	,676	, 103	— ,07
265	—— 8.9	3	44 50,32	3,085	+, 006	+,015	3	+ 3 11 24,54	,676	, 101	— ,10
266	Cassiopeæ υ¹ 5.6	3	45 15,33	3,492	+, 066	+,002	4	+58 4 39,68	,669	, 113	— ,12
267	Piscium 8.9	3	45 26,67	3,093	+, 007	+,007	4	+ 4 54 41,27	,666	, 102	— ,05
268	Ceti 8	3	45 27,06	2,998	—, 002	+,014	3	—14 49 4,88	,666	, 098	— ,05
269	66 Piscium 6	6	45 51,91	3,158	+, 011	+,015	5	+18 17 32,62	,658	, 106	+ ,02
270	135 Ceti 6.7	6	45 58,31	3,025	, 000	+,009	7	— 9 38 9,68	,656	, 101	— ,18

No.	Star's name and mag.	No. Obs.	α Jan. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
271	App. Sculp. 8	6	0 46 7.96	+2,895	—,00013	——	6	—33 13 52,93	19,654	—,00095	——
272	36 Androm. 6	7	46 8,80	3,183	+, 018	+,017	5	+22 44 1,29	,654	, 107	—0,06
273	——— 8	3	46 19,82	3,182	+, 018	+,028	2	+22 31 2,95	,651	, 107	— ,05
274	162 Piscium 7	3	46 46,71	3,099	+, 007	+,023	4	+ 5 57 30,06	,643	, 104	+ ,01
275	27 Cassiopeæ γ 3	25	46 48,26	3,537	+, 071	+,014	23	+59 49 16,82	,642	, 122	— ,08
276	Cassiopeæ v^2 5	3	46 53,50	3,510	+, 069	—,001	4	+58 17 17,92	,640	, 120	,00
277	67 Piscium k 6	4	47 6,94	3,206	+, 021	+,023	4	+26 18 48,43	,636	, 110	— ,04
278	156 Androm. 7	3	47 13,31	3,257	+, 028	—,013	4	+34 20 2,13	,634	, 114	— ,01
279	Ceti 6	5	47 22,34	3,031	+, 000	+,013	4	— 8 14 25,63	,632	, 104	— ,04
280	Cephei. 5	7	47 28,45	6,464	+, 1180	+,103	8	+85 22 3,41	,630	, 190	+ ,08
281	Piscium 7	5	47 30,29	3,134	+, 012	+,009	5	+13 3 23,99	,630	, 107	+ ,09
282	37 Androm. μ 4	8	47 37,34	3,283	+, 031	+,012	15	+37 36 10,18	,627	, 112	— ,05
283	22 Ceti ϕ^3 6	7	47 45,21	3,011	—, 001	+,011	5	—12 10 41,58	,625	, 105	+ ,05
284	Cassiopeæ 7.8	4	47 49,70	3,417	+, 051	+,012	1	+51 20 42,35	,624	, 119	— ,03
285	Piscium 8	4	47 52,69	3,203	+, 021	+,013	3	+25 26 41,32	,622	, 111	— ,06
286	Cassiopeæ 7.8	3	48 24,47	3,420	+, 051	+,021	3	+51 14 34,99	,612	, 119	— ,03
287	38 Androm. η 5	7	48 24,74	3,187	+, 018	+,015	10	+22 31 32,62	,612	, 111	— ,03
288	Phœnicis 7	3	48 33,80	2,683	—, 025	——	3	—54 5 6,29	,610	, 090	——
289	Androm. 7.8	2	48 42,54	3,177	+, 016	+,026	3	+20 35 36,24	,607	, 111	— ,03
290	Piscium 8.9	3	48 46,49	3,074	+, 005	+,001	2	+ 0 28 10,73	,606	, 107	— ,11
291	68 Piscium h 6	4	48 55,55	3,222	+, 023	+,015	4	+28 5 54,84	,603	, 114	— ,17
292	Androm. 7	2	49 12,96	3,256	+, 027	+,008	2	+33 3 34,06	,598	, 115	— ,03
293	Piscium 6.7	5	49 15,66	3,135	+, 012	+,012	5	+12 48 10,20	,597	, 111	,00
294	——— 8	3	49 15,67	3,127	+, 011	+,004	2	+11 8 50,01	,597	, 111	— ,10
295	——— 8	4	49 32,42	3,178	+, 016	+,008	4	+20 30 39,60	,590	, 113	— ,06
296	169 Piscium 7	4	49 46,55	3,101	+, 007	+,014	4	+ 5 57 4,92	,587	, 112	— ,04
297	——— 8	4	49 50,47	3,128	+, 011	—,003	2	+11 14 5,42	,585	, 113	— ,15
298	322 Cephei 6	6	50 12,49	7,526	+, 1780	+,125	5	+86 15 41,73	,578	, 250	+ ,01
299	23 Ceti ϕ^4 6	6	50 28,23	3,007	—, 001	+,005	5	—12 16 18,89	,573	, 109	— ,02
300	App. Sculp. α 5	6	50 39,00	2,900	—, 014	,000	10	—30 15 0,05	,570	, 105	+ ,02
301	Messoris 8.9	3	50 41,40	3,530	+, 065	+,022	2	+57 28 20,07	,569	, 129	— ,02
302	Piscium 8	6	50 56,58	3,070	+, 005	+,005	6	— 0 6 30,22	,564	, 112	— ,19
303	——— 6.7	5	51 16,91	3,100	+, 007	+,011	8	+ 5 35 29,73	,558	, 114	— ,04
304	——— 7	2	51 40,70	3,181	+, 017	+,010	2	+20 21 28,96	,550	, 119	— ,02
305	165 Androm. 7.8	3	51 56,63	3,366	+, 041	+,020	4	+44 33 43,17	,545	, 124	— ,12
306	Piscium 8	3	52 36,86	3,126	+, 011	+,012	3	+10 17 27,84	,532	, 116	— ,08
307	——— 8	3	52 38,10	3,109	+, 009	+,004	3	+ 7 8 38,67	,531	, 130	— ,15
308	——— 8	2	52 43,79	3,130	+, 011	+,011	3	+11 1 17,07	,529	, 118	— ,05
309	173 ——— 6.7	3	52 49,84	3,209	+, 020	+,016	4	+24 24 10,03	,527	, 121	— ,07
310	Phœnicis 7.8	3	53 19,55	2,581	—, 027	——	3	—57 49 12,02	,517	, 095	——
311	177 Piscium 7.8	1	53 32,51	3,109	+, 009	+,004	4	+ 7 2 59,18	,513	, 118	+ ,09
312	167 Androm. 5.6	3	53 39,56	3,335	+, 035	+,003	4	+40 27 23,27	,511	, 125	+ ,02
313	Piscium σ^1 6	3	53 47,78	3,257	+, 026	+,001	4	+30 54 59,53	,508	, 126	— ,07
314	Electri. 7	3	53 52,23	2,817	—, 016	——	3	—39 6 1,45	,507	, 105	——
315	Piscium 7	3	53 55,10	3,114	+, 009	+,016	5	+ 7 55 58,08	,506	, 118	— ,03

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
316	71 Piscium	ε 4	18	0 54 23,22	+3,109	+,00009	+,001	18	+ 7 0 0,90	19,496	—,00120	+0,01
317	App. Sculp.	σ 6	6	54 33,40	2,870	—, 012	——	8	—32 26 29,73	,492	, 110	— ,01
318	25 Ceti	6	5	54 42,07	3,038	+, 002	+,004	5	— 5 43 12,66	,489	, 120	— ,12
319	Phœnicis	6.7	6	55 2,75	2,564	—, 027	——	7	—57 53 31,21	,482	, 099	——
320	103 Cassiopeiæ	6.7	3	55 10,25	3,452	+, 049	+,011	2	+50 7 20,00	,480	, 135	— ,07
321	Piscium	8	4	55 13,91	3,103	+, 008	+,007	4	+ 5 52 39,53	,478	, 122	— ,04
322	———	8.9	3	55 15,43	3,105	+, 008	+,021	4	+ 6 9 49,79	,478	, 122	— ,14
323	26 Ceti	6.7	6	55 19,92	3,073	+, 005	+,021	5	+ 0 28 49,57	,476	, 128	— ,09
324	Electri	6.7	3	55 24,97	2,883	—, 011	——	3	—30 24 46,50	,474	, 112	——
325	27 Messoris	6.7	3	55 41,18	3,956	+, 132	+,007	4	+70 2 44,70	,469	, 159	,00
326	Phœnicis	7.8	5	56 5,51	2,746	—, 020	——	7	—45 7 45,64	,460	, 107	——
327	73 Piscium	6.7	5	56 20,11	3,098	+, 007	+,009	7	+ 4 46 14,03	,455	, 123	— ,01
328	72 ———	ϰ 6	6	56 23,53	3,152	+, 012	+,017	5	+14 3 25,58	,454	, 126	+ ,01
329	Cassiopeiæ	7	3	56 36,01	3,709	+, 086	+,014	2	+62 53 13,54	,450	, 151	— ,06
330	74 Piscium	ψ¹ 5.6	4	56 51,08	3,194	+, 017	—,002	5	+20 35 16,96	,444	, 129	— ,04
331	74 Piscium	ψ² 6.7	2	56 51,71	3,194	+, 017	+,005	2	+20 34 48,76	,443	, 129	— ,08
332	———	σ² 7	3	57 7,92	3,271	+, 026	+,013	1	+31 17 45,79	,438	, 132	— ,10
333	190 ———	7	3	57 17,44	3,094	+, 007	—,018	4	+ 4 1 41,16	,436	, 125	— ,18
334	———	8	3	57 19,66	3,094	+, 007	—,003	3	+ 4 1 45,80	,434	, 125	— ,10
335	Cassiopeiæ	μ 6	6	57 20,67	3,528	+, 059	+,391	7	+54 6 28,01	,434	, 144	+1,62
336	27 Ceti	6	7	57 21,13	3,008	, 000	+,008	9	—10 51 48,82	,434	, 123	— ,08
337	106 Cassiopeiæ	7	3	57 23,67	3,505	+, 057	+,025	3	+52 36 47,29	,433	, 143	— ,07
338	Piscium	8	3	57 24,54	3,203	+, 017	+,019	4	+21 39 55,49	,433	, 129	,00
339	107 Cassiopeiæ	6.7	2	57 38,18	3,449	+, 047	+,007	4	+48 40 14,73	,428	, 142	— ,01
340	28 Ceti	6	12	57 48,62	3,008	, 000	+,004	9	—10 43 29,68	,423	, 125	— ,03
341	75 Piscium	H 6.7	5	57 53,39	3,142	+, 011	+,008	5	+12 4 17,47	,421	, 129	+ ,18
342	Ceti	8.9	4	58 10,56	3,008	, 000	+,004	4	—10 39 4,44	,415	, 125	— ,02
343	Rangiferis	d 6.7	3	58 18,16	4,771	+, 325	+,023	4	+78 47 32,64	,412	, 196	+ ,04
344	Piscium	7.8	6	58 18,72	3,189	+, 015	+,027	5	+19 15 58,46	,412	, 129	— ,08
345	Androm.	d 5.6	3	58 34,27	3,387	+, 039	+,009	4	+43 3 38,61	,407	, 142	— ,02
346	Electri	η 7	3	58 42,51	2,820	—, 014	——	3	—36 32 40,53	,403	, 117	——
347	Phœnicis	β 3.4	9	58 42,65	2,700	—, 019	——	10	—47 36 15,01	,403	, 112	——
348	195 Piscium	7	2	58 54,94	3,276	+, 026	+,029	4	+31 7 46,96	,399	, 137	— ,11
349	79 ———	ψ² 6	3	59 6,99	3,194	+, 017	+,019	4	+19 51 36,75	,395	, 133	— ,11
350	197 ———	6.7	2	59 16,36	3,253	+, 023	+,016	3	+27 59 18,13	,391	, 136	— ,12
351	30 Ceti	6	3	59 28,31	3,006	, 000	+,013	4	—10 40 9,20	,387	, 126	+ ,10
352	161 ———	7	4	59 29,49	3,078	+, 005	+,013	7	+ 1 7 42,20	,387	, 129	— ,51
353	110 Cassiopeiæ	6.7	3	59 35,44	3,918	+, 119	+,010	4	+67 53 52,49	,384	, 165	,00
354	Ceti	8	3	59 44,89	3,126	+, 010	+,011	3	+ 9 1 29,37	,381	, 132	— ,07
355	80 Piscium	e 5	2	59 52,72	3,100	+, 008	—,018	8	+ 4 46 31,31	,379	, 132	— ,15
356	42 Androm.	φ 5	2	59 57,46	3,434	+, 044	+,001	5	+46 21 35,77	,375	, 145	— ,01
357	Phœnicis	ν 7.8	3	59 57,73	2,753	—, 017	——	3	—42 37 38,04	,375	, 116	——
358	———	7	5	1 0 14,90	2,754	—, 017	—,005	9	—42 22 15,59	,370	, 117	— ,10
359	31 Ceti	η 3.4	3	0 17,37	3,003	, 000	+,012	5	—11 3 29,32	,369	, 129	— ,12
360	Piscium	8	4	0 29,44	3,212	+, 018	+,005	3	+22 1 29,16	,365	, 135	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
361	43 Androm. β 2	3	1 0 31,16	+3,313	+,00030	—,026	7	+34 44 38,76	19,364	—,00140	—0,10
362	Piscium 7.8	3	0 32,04	3,210	+, 018	+,024	2	+21 41 46,81	,363	, 137	— ,11
363	1 Ursæ Min. α 2.3	66	0 48,48	15,856	+,11100	+,115	24	+88 25 45,25	,357	, 640	— ,01
364	113 Cassiopeiæ 5	3	0 57,19	3,796	+,00094	—,012	4	+64 8 20,65	,353	, 164	— ,02
365	181 Androm. 6.7	3	0 58,42	3,379	+, 037	—,002	4	+41 12 7,58	,353	, 144	— ,04
366	81 Piscium ψ³ 6	3	1 0,85	3,191	+, 016	+,015	6	+18 46 33,74	,352	, 137	— ,06
367	33 Cassiopeiæ θ 4.5	3	1 5,90	3,560	+, 060	+,019	5	+54 16 12,79	,350	, 155	+ ,07
368	203 ——— 6.7	2	1 23,37	3,233	+, 021	+,011	4	+24 34 56,27	,344	, 138	— ,14
369	Phœnicis ζ 5	4	1 25,91	2,544	—, 022	——	7	—56 7 45,26	,343	, 112	——
370	Piscium 6	2	1 27,25	3,165	+, 014	+,024	5	+14 47 37,90	,343	, 136	— ,07
371	1 Androm. 6	2	1 52,26	3,338	+, 032	+,006	4	+36 50 38,63	,331	, 145	— ,06
372	32 Ceti 6	5	1 55,42	3,009	, 000	—,004	8	— 9 47 6,80	,331	, 133	— ,19
373	Cassiopeiæ 8	3	2 0,47	3,808	+, 094	+,011	3	+64 7 48,50	,329	, 167	— ,03
374	Piscium g 7	3	2 2,12	3,282	+, 026	+,014	4	+30 32 41,57	,328	, 143	— ,04
375	33 Ceti 6	3	2 4,53	3,080	+, 006	+,012	5	+ 1 33 57,07	,327	, 135	— ,01
376	4 Rangiferis 7	3	2 13,51	4,921	+, 240	+,020	4	+79 1 48,25	,324	, 214	+ ,04
377	Piscium 7.8	3	2 16,12	3,126	+, 010	+,010	3	+ 8 40 22,85	,324	, 136	+ ,22
378	Phœnicis 7.8	5	2 29,91	2,506	—, 023	——	6	—57 28 31,23	,317	, 113	——
379	83 Piscium τ 6	3	2 35,83	3,273	+, 024	+,012	5	+29 12 40,92	,315	, 145	— ,10
380	84 ——— χ 5	3	2 35,94	3,203	+, 017	,000	6	+20 9 19,01	,315	, 141	— ,02
381	Piscium 8	3	2 47,39	3,216	+, 018	+,006	4	+21 50 37,62	,310	, 141	— ,06
382	——— 7	3	2 50,57	3,131	+, 010	—,007	4	+ 9 24 45,27	,309	, 139	— ,07
383	Androm. L 7.8	3	3 3,03	3,427	+, 041	+,021	4	+44 27 26,86	,304	, 150	+ ,03
384	34 Ceti 6.7	8	3 20,43	3,051	+, 004	+,007	9	— 3 7 43,76	,297	, 136	— ,06
385	Phœnicis 7	3	3 22,93	2,474	—, 024	——	3	—58 34 10,60	,296	, 112	——
386	Phœnicis 7.8	4	3 28,93	2,492	—, 023	——	4	—57 44 23,79	,293	, 112	——
387	Piscium 7	3	3 55,36	3,277	+, 024	+,014	3	+29 11 13,69	,283	, 147	— ,12
388	35 Ceti 6.7	5	4 3,41	3,081	+, 006	—,005	4	+ 1 35 54,99	,280	, 139	— ,13
389	Messoris q 7	3	4 28,20	4,141	+, 140	+,007	6	+70 52 4,66	,270	, 187	— ,03
390	173 Ceti 7	3	4 29,74	3,021	+, 001	+,008	4	— 7 39 35,51	,269	, 137	— ,02
391	Electri φ 7	4	4 35,49	2,841	—, 011	——	9	—31 40 36,81	,267	, 130	——
392	85 Piscium φ 6	5	4 48,23	3,235	+, 020	+,002	5	+23 42 29,53	,262	, 146	,00
393	App. Sculp. 7.8	8	5 6,86	2,798	—, 014	+,021	9	—36 4 56,70	,254	, 129	— ,03
394	86 Piscium ζ 6	6	5 7,17	3,115	+, 009	+,014	6	+ 6 42 2,74	,254	, 142	— ,10
395	——— 7.8	3	5 8,57	3,115	+, 009	+,019	2	+ 6 42 14,51	,254	, 142	— ,01
396	Mach. Elect. θ 6	6	5 9,17	2,770	—, 015	+,016	7	—38 43 56,68	,254	, 127	+ ,02
397	87 Piscium 6.7	4	5 22,50	3,174	+, 014	,000	5	+15 15 30,29	,248	, 143	+ ,01
398	——— 8	3	5 35,34	3,195	+, 016	+,017	3	+18 15 4,43	,242	, 146	— ,01
399	Ceti 8	6	6 3,97	3,012	+, 001	+,015	5	— 8 47 55,93	,230	, 140	+ ,29
400	37 ——— b 6	12	6 5,59	3,012	+, 001	+,018	9	— 8 48 39,97	,230	, 140	+ ,24
401	88 Piscium 6.7	7	6 7,89	3,112	+, 009	+,010	5	+ 6 7 13,89	,229	, 143	— ,10
402	38 Ceti 6	7	6 24,09	3,059	+, 004	,000	5	— 1 51 32,78	,222	, 142	+ ,12
403	189 Androm. 7.8	4	6 42,92	3,486	+, 048	+,006	4	+47 12 28,02	,214	, 163	— ,05
404	Piscium 7.8	3	6 58,77	3,112	+, 009	+,015	3	+ 6 4 52,22	,207	, 145	— ,10
405	192 Androm. 6.7	3	7 8,13	3,315	+, 027	+,009	4	+32 14 30,89	,204	, 154	— ,06

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
406	Cassiopeiæ	7	2	1 7 12,66	+3,661	+,00068	—,010	3	+56 45 32,17	19,201	—,00172	—0,02
407	Phœnicis	ν 6	6	7 44,26	2,662	—, 016	——	6	—46 24 50,56	,189	, 129	——
408	223 Piscium	7.8	4	7 56,88	3,215	+, 017	+,010	4	+20 10 54,83	,183	, 151	— ,11
409	39 Ceti	6	5	8 13,98	3,048	+, 004	—,002	5	— 3 22 13,10	,176	, 146	— ,08
410	Electri	9	6	8 27,39	2,795	—, 012	——	6	—35 1 16,95	,171	, 134	——
411	193 Androm.	7	2	8 28,57	3,486	+, 045	+,011	4	+46 32 51,40	,170	, 166	— ,03
412	40 Ceti	6	5	8 32,54	3,049	+, 004	+,020	5	— 3 8 43,68	,168	, 148	— ,15
413	Piscium	8	2	8 47,63	3,097	+, 007	+,016	4	+ 3 47 34,68	,161	, 148	— ,04
414	89 ———	f 6	5	9 17,77	3,090	+, 006	+,006	5	+ 2 44 39,19	,148	, 148	— ,07
415	182 Ceti	7	2	9 25,30	3,011	+, 002	+,010	4	— 8 31 55,86	,146	, 147	,00
416	Cassiopeiæ	7.8	3	9 32,58	3,694	+, 069	+,006	2	+57 20 16,50	,142	, 180	— ,04
417	———	φ 5.6	4	9 45,32	3,697	+, 069	+,005	4	+57 21 42,25	,137	, 180	+ ,01
418	Electri	7.8	3	9 49,39	2,757	—, 014	——	3	—38 8 27,67	,135	, 137	——
419	Cassiopeiæ	8	5	10 8,89	3,890	+, 097	+,077	3	+63 48 14,93	,126	, 189	+ ,01
420	119 ———	6.7	2	10 11,07	3,890	+, 097	+,032	8	+63 47 23,73	,126	, 189	+ ,01
421	Piscium	7.8	5	10 20,33	3,098	+, 007	+,011	4	+ 3 47 1,01	,121	, 150	— ,06
422	———	8	3	10 22,17	3,118	+, 010	+,019	4	+ 6 33 35,62	,120	, 151	— ,06
423	90 ———	υ 5.6	5	10 24,69	3,272	+, 023	+,004	5	+26 23 39,16	,119	, 158	— ,11
424	230 ———	7.8	2	10 52,28	3,088	+, 006	+,016	4	+ 2 25 15,16	,108	, 152	— ,03
425	———	8	4	10 57,51	3,118	+, 010	+,022	4	+ 6 37 15,92	,105	, 153	— ,08
426	Piscium	7.8	3	11 10,72	3,109	+, 009	+,013	4	+ 5 17 33,47	,099	, 153	+ ,01
427	42 Ceti	l¹ 6	6	11 22,54	3,061	+, 005	+,008	5	— 1 22 38,12	,093	, 152	— ,05
428	Phœnicis	—	1	11 25,31	2,671	—, 016	——	1	—44 12 10,22	,092	, 136	——
429	91 Piscium	l 6	5	12 0,92	3,289	+, 024	+,009	4	+27 52 26,74	,077	, 163	— ,05
430	Androm.	8	3	12 10,81	3,506	+, 044	+,020	4	+46 24 53,61	,072	, 174	+ ,01
431	199 Androm.	6.7	5	12 37,29	3,456	+, 040	+,008	4	+42 43 3,15	,060	, 173	,00
432	46 ———	ξ 5	7	12 39,52	3,483	+, 043	+,014	10	+44 39 41,00	,059	, 176	— ,12
433	33 Messoris	6.7	3	13 46,05	4,241	+, 144	+,004	4	+70 6 59,05	,030	, 219	— ,03
434	Piscium	7.8	4	13 50,16	3,104	+, 008	+,007	4	+ 4 23 13,91	,027	, 158	— ,02
435	Ceti	7	5	14 7,66	3,077	+, 006	+,003	5	+ 0 51 47,58	,018	, 158	— ,02
436	43 Ceti	l² 6.7	5	14 8,95	3,061	+, 005	+,010	5	— 1 18 51,88	,018	, 157	— ,03
437	242 Piscium	6.7	4	14 11,38	3,100	+, 007	+,003	4	+ 3 52 25,17	,017	, 158	— ,09
438	203 Androm.	6	4	14 15,81	3,390	+, 032	+,007	4	+36 51 3,42	,014	, 172	— ,07
439	204 ———	6.7	3	14 17,54	3,352	+, 029	+,023	4	+33 22 31,58	,013	, 169	+ ,05
440	243 Piscium	7	2	14 20,12	3,120	+, 010	+,024	5	+ 6 32 35,06	,012	, 160	+ ,13
441	36 Cassiopeiæ	ψ 4.5	9	14 22,63	4,089	+, 120	—,001	9	+67 15 55,09	,010	, 211	,00
442	Electri	7	3	14 38,91	2,738	—, 014	——	3	—37 54 59,93	,003	, 145	——
443	Androm.	7.8	4	14 42,38	3,461	+, 038	+,006	4	+42 16 41,13	,001	, 178	— ,05
444	245 Piscium	7.8	3	14 59,41	3,202	+, 015	+,016	4	+16 57 21,52	18,994	, 163	— ,11
445	37 Cassiopeiæ	δ 3	17	15 5,23	3,797	+, 074	+,024	14	+59 22 28,75	,992	, 197	— ,08
446	Phœnicis	7.8	7	15 7,68	2,648	—, 016	—,026	7	—44 28 7,81	,990	, 141	+ ,03
447	Electri	γ 7	3	15 11,84	2,741	—, 013	——	3	—37 27 36,56	,988	, 146	——
448	Piscium	7.8	3	15 16,45	3,105	+, 008	+,013	4	+ 4 26 48,10	,986	, 160	— ,01
449	Mach. Elect.	c 7	3	15 43,09	2,867	—, 006	,000	4	—25 12 59,42	,974	, 153	,00
450	44 Ceti	6	5	15 44,76	3,003	+, 002	—,006	5	— 8 52 1,84	,974	, 160	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
451	45 Ceti θ¹ 3	6	1 15 46,84	+3,002	+,00002	,000	7	— 9 2 11,74	18,972	—,00160	—0,09
452	Electri 6.7	3	15 50,18	2,802	—, 010	——	3	—31 48 26,16	,971	, 149	——
453	Phœnicis 7	3	16 20,77	2,680	—, 015	——	3	—41 48 56,43	,956	, 145	——
454	Fornacis 7	3	16 31,48	2,790	—, 011	——	3	—32 40 18,06	,955	, 151	——
455	Androm. M 6	4	16 38,21	3,475	+, 040	+,005	4	+42 35 56,92	,948	, 184	— ,08
456	Androm. 7	4	16 46,69	3,364	+, 030	+,031	6	+33 43 19,70	,943	, 176	— ,15
457	93 Piscium ρ¹ 5.6	6	17 22,40	3,218	+, 017	+,004	7	+18 18 39,86	,931	, 168	— ,06
458	Phœnicis c² 5	11	17 22,51	2,667	—, 015	+,006	11	—42 21 10,51	,931	, 146	+ ,03
459	256 Piscium 7.8	3	17 28,49	3,225	+, 017	+,009	4	+19 12 43,24	,923	, 169	— ,07
460	46 Ceti c 5	6	17 30,46	2,948	—, 002	+,007	8	—15 27 33,98	,922	, 161	— ,07
461	Phœnicis 6.7	6	17 31,55	2,621	—, 016	—,002	6	—45 23 22,09	,921	, 145	+ ,02
462	Persei 8	2	17 33,11	3,618	+, 054	+,005	4	+50 56 57,10	,921	, 195	+ ,06
463	94 Piscium ρ² 6.7	5	17 47,82	3,219	+, 017	+,010	5	+18 22 58,87	,914	, 170	— ,08
464	Androm. ω 5.6	6	17 49,16	3,509	+, 044	+,044	7	+44 33 7,53	,914	, 188	— ,05
465	Ceti 6.7	5	18 1,05	3,061	+, 005	——	5	— 1 15 28,42	,908	, 164	——
466	Piscium K 6.7	3	18 28,36	3,342	+, 027	+,017	4	+31 6 40,42	,894	, 177	— ,13
467	47 Ceti 6	5	18 43,25	2,959	—, 001	—,007	5	—13 55 0,32	,886	, 163	— ,07
468	4 Persei 6.7	4	18 55,27	3,625	+, 054	+,008	4	+50 49 37,46	,881	, 198	— ,03
469	126 Cassiopeiæ 6.7	5	19 4,08	4,274	+, 137	+,038	7	+69 24 43,36	,877	, 230	— ,15
470	95 Piscium 7	5	19 6,35	3,107	+, 008	+,002	5	+ 4 30 0,53	,876	, 167	— ,19
471	Piscium 7	5	19 32,59	3,203	+, 015	+,020	5	+16 13 22,20	,862	, 171	— ,12
472	—— 7	7	19 44,46	3,128	+, 010	+,007	5	+ 7 6 13,62	,857	, 170	— ,04
473	—— 8	3	19 49,07	3,128	+, 010	+,009	3	+ 7 6 4,12	,854	, 170	— ,06
474	Androm. A 5.6	3	20 14,48	3,549	+, 045	+,011	4	+46 9 10,72	,842	, 195	— ,10
475	Piscium 7	4	20 18,88	3,279	+, 021	+,013	5	+24 25 7,55	,839	, 177	,00
476	96 Piscium 6.7	5	20 26,86	3,123	+, 010	+,011	5	+ 6 26 24,07	,836	, 170	— ,13
477	Cassiopeiæ 7.8	4	20 27,20	4,280	+, 140	+,025	4	+69 9 56,99	,836	, 237	+ .01
478	Phœnicis 7.8	4	20 32,63	2,390	—, 015	——	9	—55 56 16,36	,833	, 138	——
479	128 Cassiopeiæ 7	3	20 33,37	4,185	+, 132	+,031	4	+67 33 26,24	,833	, 230	— ,12
480	97 Piscium 6.7	6	20 59,30	3,217	+, 016	+,019	5	+17 30 2,72	,819	, 176	,00
481	Piscium 8	4	21 10,07	3,353	+, 027	+,012	3	+31 19 58,32	,814	, 184	— ,02
482	Phœnicis Γγ 3	8	21 11,70	2,620	—, 014	+,020	6	—44 9 55,05	,813	, 151	— ,17
483	98 Piscium μ 5	13	21 32,79	3,114	+, 009	+,027	10	+ 5 17 27,92	,803	, 173	— ,06
484	48 Ceti 6	5	21 41,24	2,878	—, 004	+,008	5	—22 29 5,20	,798	, 164	— ,04
485	—— 6	8	21 55,09	2,838	—, 006	——	4	—26 28 23,77	,790	, 162	——
486	1 Trianguli 7.8	3	22 5,39	3,326	+, 025	+,024	4	+28 33 47,28	,786	, 184	— ,15
487	App. Sculp. 6.7	8	22 36,38	2,830	—, 007	+,025	8	—27 3 42,95	,770	, 162	+ ,01
488	99 Piscium η 4	12	22 40,01	3,193	+, 014	+,009	15	+14 29 34,39	,768	, 178	— ,02
489	268 —— 7	3	23 0,05	3,155	+, 012	+,009	3	+10 2 10,44	,757	, 177	+ ,01
490	Cassiopeiæ χ 5.6	4	23 12,05	3,842	+, 074	,000	4	+58 22 54,84	,751	, 218	— ,06
491	Electri 7	2	23 50,06	2,786	—, 009	——	2	—30 50 19,67	,731	, 160	——
492	36 Messoris 6.7	2	24 0,77	4,684	+, 190	+,028	4	+73 27 11,78	,726	, 267	+ ,04
493	Electri 7	2	24 5,53	2,781	—, 009	——	2	—31 8 2,95	,723	, 160	——
494	39 Mach. Elect. 7	3	24 17,90	2,852	—, 005	+,015	3	—24 29 45,53	,717	, 166	— ,08
495	Phœnicis δ 4	11	24 22,65	2,499	—, 013	——	11	—49 55 55,63	,714	, 147	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ″ ′	″ +	″	″
496	Phœnicis 7.8	3	1 24 29,88	+2,481	—,00013	——	3	—50 45 9,47	18,710	—,00146	——
497	—— 6.7	3	24 38,44	2,563	—, 013	——	3	—46 25 37,34	,706	, 153	——
498	Piscium 7	6	24 39,74	3,133	+, 010	+,007	5	+ 7 21 37,86	,704	, 180	+ ,01
499	Androm. 7.8	4	24 46,56	3,427	+, 032	+,007	4	+36 23 16,96	,700	, 196	— ,03
500	Ceti S 6.7	4	24 50,30	2,987	+, 001	+,015	4	— 9 51 56,06	,699	, 174	— ,07
501	Cassiopeiæ h 6	3	25 28,72	4,588	+, 180	—,014	4	+72 11 44,95	,678	, 262	— ,05
502	Mach Elect λ 5	6	25 32,98	2,694	—, 013	+,013	7	—37 42 52,37	,676	, 162	— ,20
503	7 Rangiferis 7	3	25 49,56	5,210	+, 296	+,010	4	+77 7 33,29	,667	, 279	+ ,01
504	Phœnicis 7	3	25 50,48	2,476	—, 013	——	3	—50 34 26,84	,667	, 148	——
505	Piscium 6	5	25 54,34	3,226	+, 017	+,026	5	+17 36 57,26	,665	, 186	— ,16
506	100¹ Piscium 7	8	26 6,43	3,173	+, 013	+,011	5	+11 42 41,04	,659	, 184	— ,05
507	100² —— 7.8	3	26 7,74	3,173	+, 013	+,012	8	+11 42 41,44	,658	, 184	— ,10
508	—— 7.8	4	26 14,02	3,135	+, 010	+,005	4	+ 7 25 38,07	,655	, 182	— ,06
509	Phœnicis	3	26 19,55	2,552	—, 012	——	4	—46 32 32,86	,651	, 153	——
510	8 Persei 6.7	4	26 24,13	3,615	+, 049	+,007	4	+47 52 35,86	,649	, 211	— ,06
511	49 Ceti 5.6	5	26 34,41	2,925	—, 002	+,024	5	—16 31 27,51	,644	, 175	— ,02
512	Androm. 8	4	26 44,47	3,609	+, 049	+,013	4	+47 28 9,52	,638	, 213	— ,09
513	101 Piscium 6	5	26 57,78	3,193	+, 014	+,017	5	+13 48 55,32	,631	, 186	— ,05
514	—— 6	6	27 0,09	3,219	+, 016	+,018	5	+16 35 11,43	,630	, 187	— ,01
515	132 Cassiopeiæ 7	3	27 3,19	3,984	+, 087	—,002	4	+61 30 23,54	,628	, 237	— ,05
516	50 Androm. υ 5	7	27 8,55	3,496	+, 037	—,001	5	+40 34 38,76	,625	, 205	— ,37
517	235 Ceti 7	2	27 17,92	2,945	, 000	+,026	4	—14 13 45,64	,621	, 176	,00
518	Electri 7	3	27 18,99	2,751	—, 009	——	3	—32 44 15,09	,620	, 165	——
519	Phœnicis 7	3	27 21,19	2,546	—, 012	——	3	—46 32 31,67	,619	, 155	——
520	Piscium 6.7	5	27 25,38	3,130	+, 010	+,007	5	+ 6 47 53,72	,617	, 183	— ,03
521	Androm. 7	4	27 38,79	3,617	+, 049	+,029	4	+47 34 2,89	,609	, 216	,00
522	51 —— R² 3.4	7	27 54,22	3,623	+, 049	+,017	8	+47 47 20,28	,601	, 216	+ ,16
523	50 Ceti 6	6	27 56,26	2,925	—, 002	+,015	5	—16 14 46,71	,600	, 178	,00
524	Eridani 7	6	28 0,26	2,274	—, 013	——	8	—57 50 55,22	,598	, 142	——
525	—— 7	3	28 3,97	2,242	—, 013	——	3	—58 50 59,95	,596	, 141	——
526	102 Piscium π 6	12	28 21,70	3,171	+, 013	+,004	9	+11 17 42,56	,586	, 188	+ ,01
527	Mach Elect 6	5	28 30,98	2,771	—, 007	+,007	7	—30 45 14,37	,581	, 168	+ ,09
528	Piscium 7.8	4	28 54,77	3,171	+, 013	+,027	4	+11 14 3,45	,568	, 189	— ,08
529	Ceti 6	5	29 23,12	2,979	+, 001	+,034	5	—10 15 4,51	,553	, 182	+ ,07
530	App. Sculp. 8.9	3	29 24,82	2,825	+, 001	+,028	4	—25 51 33,89	,552	, 171	+ ,01
531	Androm. χ 7	3	29 29,29	3,555	+, 042	+,007	4	+43 32 36,13	,548	, 214	— ,06
532	11 Persei 6.7	3	29 46,59	3,749	+, 062	—,003	4	+53 1 39,82	,539	, 229	+ ,01
533	Phœnicis 7	3	30 3,12	2,468	—, 013	——	3	—49 38 54,00	,530	, 152	——
534	Cassiopeiæ ω 6	2	30 13,98	4,291	+, 127	+,022	4	+67 12 18,54	,525	, 260	+ ,03
535	Electri 7	3	30 14,86	2,656	—, 012	——	3	—38 58 43,27	,524	, 168	——
536	Cassiopeiæ g 6	9	30 16,06	4,465	+, 152	+,030	7	+69 47 3,89	,523	, 274	+ ,01
537	103 Piscium 7.8	4	30 22,56	3,216	+, 016	+,006	4	+15 47 8,15	,520	, 193	— ,10
538	104 —— 6.7	5	30 25,63	3,194	+, 014	+,004	5	+13 26 46,28	,517	, 192	— ,02
539	Eridani 6.7	2	30 41,99	2,209	—, 013	——	2	—59 6 51,68	,509	, 144	——
540	105 Piscium 6	9	30 47,44	3,215	+, 016	+,009	5	+15 33 57,62	,506	, 195	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
541	Androm. τ 5.6	4	1 30 52,22	+3,500	+,00036	+,017	4	+39 44 17,73	18,504	—,00214	—0,04
542	49 Mach. Elect. 6.7	4	31 5,44	2,820	—, 005	+,021	4	—25 51 48,03	,495	, 174	— ,01
543	——— δ 6.7	7	31 7,44	2,676	—, 011	—,003	7	—37 21 51,05	,494	, 170	— ,19
544	Phœnicis 7.8	5	31 9,50	2,517	—, 012	——	8	—46 55 32,67	,493	, 158	——
545	——— 7	3	31 28,61	2,570	—, 012	——	3	—43 46 4,32	,483	, 163	——
546	Cassiopeiæ 7	7	31 32,00	3,961	+, 082	+,031	2	+59 42 38,21	,481	, 248	— ,03
547	Eridani α 1	11	31 33,93	2,236	—, 013	——	16	—58 4 38,00	,480	, 146	——
548	229 Androm. 5	5	31 46,51	3,537	+, 039	+,012	4	+41 46	,473	, 218	— ,18
549	Piscium 7	5	31 54,16	3,144	+, 011	+,025	3	+ 7 55 18,44	,467	, 193	+ ,02
550	——— 7.8	4	32 7,17	3,314	+, 022	+,011	3	+24 54 34,77	,460	, 202	— ,02
551	137 Cassiopeiæ 6	4	32 13,88	3,968	+, 082	+,033	7	+59 42 55,64	,457	, 248	— ,03
552	Phœnicis 7	3	32 24,66	2,341	—, 012	——	3	—54 16 35,42	,450	, 150	——
553	——— 8	3	32 24,73	2,656	—, 012	+,008	3	—38 18 40,83	,450	, 171	+ ,11
554	Piscium 8	3	32 44,62	3,147	+, 011	+,006	4	+ 8 14 5,72	,440	, 195	— ,02
555	Trianguli d 7	3	32 48,68	3,359	+, 025	+,008	4	+28 40 8,17	,438	, 208	— ,08
556	Cassiopeiæ 8.9	2	32 49,33	3,969	+, 081	+,032	3	+59 36 4,88	,435	, 251	+ ,01
557	106 Piscium ν 5	18	32 51,12	3,114	+, 009	+,005	14	+ 4 39 0,41	,434	, 193	— ,01
558	Eridani 7.8	5	32 57,15	2,251	—, 012	——	6	—57 16 1,99	,431	, 148	——
559	Ceti 7.8	2	33 20,03	2,851	—, 004	+,019	2	—22 33 24,36	,418	, 180	— ,16
560	54 Androm. 5	5	33 21,61	3,699	+, 053	+,013	5	+49 51 14,27	,417	, 232	— ,04
561	Androm. 8	3	33 30,74	3,699	+, 053	+,027	2	+49 46 41,89	,411	, 234	— ,11
562	p Eridani 6	5	33 32,99	2,253	—, 012	——	7	—57 2 1,56	,409	, 149	——
563	107 Piscium 5.6	9	33 33,27	3,259	+, 017	—,012	5	+19 27 49,72	,409	, 203	— ,74
564	Phœnicis ψ 7.8	3	34 12,71	2,639	—, 013	+,010	3	—38 58 17,61	,387	, 173	,00
565	Mach Elect μ 6	3	34 41,55	2,720	—, 009	+,030	4	—33 9 40,71	,370	, 175	— ,03
566	App. Sculp π 67.	3	34 41,75	2,720	—, 009	——	3	—33 9 39,31	,370	, 175	——
567	——— 6	5	34 46,32	2,656	—, 012	+,003	7	—37 40 2,12	,367	, 174	— ,17
568	Piscium 7	3	35 5,90	2,409	—, 010	——	3	—50 52 24,15	,356	, 155	——
569	255 Ceti 7	4	35 36,49	3,018	+, 003	—,015	4	— 5 35 49,11	,338	, 195	— ,03
570	Arietis 8.9	3	35 53,26	3,254	+, 017	+,006	5	+19 1 30,41	,328	, 208	— ,03
571	142 Cassiopeiæ 6.7	2	35 54,22	4,139	+, 199	+,009	4	+63 2 3,09	,328	, 265	— ,19
572	109 Piscium 6.7	6	35 55,91	3,261	+, 017	+,005	5	+19 15 22,93	,326	, 208	— ,12
573	Eridani q 6.7	3	36 7,92	2,306	—, 011	——	3	—54 34 14,04	,320	, 152	——
574	Camelop 7.8	6	36 9,55	6,562	+, 540	+,086	8	+81 8 11,95	,319	, 500	— ,01
575	52 Ceti τ 3.4	12	36 24,35	2,906	—, 002	—,110	10	—16 48 30,73	,310	, 189	+ ,79
576	110 Piscium o 5	13	36 41,30	3,151	+, 011	+,012	17	+ 8 19 28,07	,300	, 203	— ,01
577	Androm. N 6.7	4	37 42,40	3,632	+, 045	+,013	4	+45 24 14,01	,263	, 238	— ,13
578	Ceti 6	5	37 42,72	3,007	+, 003	+,013	6	— 6 33 40,43	,263	, 196	— ,03
579	App. Sculp ε 5	7	37 55,18	2,803	—, 004	+,023	6	—25 52 44,61	,254	, 184	+ ,03
580	Phœnicis 8	4	38 9,62	2,364	—, 010	——	4	—51 51 4,66	,247	, 157	——
581	Piscium 7.8	4	38 24,49	3,169	+, 013	+,009	4	+10 1 1,53	,238	, 206	— ,03
582	Rangiferis e 7	8	38 34,69	5,561	+, 320	+,056	9	+77 22 36,84	,232	, 366	— ,04
583	235 Androm. 6	3	38 56,18	3,495	+, 033	+,012	4	+37 7 38,81	,218	, 229	— ,08
584	4 Arietis 6.7	5	39 14,70	3,233	+, 017	+,010	5	+16 7 51,76	,207	, 211	— ,05
585	Trianguli 7	7	39 15,82	3,420	+, 028	—,010	6	+31 51 2,68	,206	, 225	+ ,24

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
586	Arietis 8	4	1 39 25,44	+3,234	+,00017	+,001	4	+16 11 39,86	18,200	—,00211	—0,03
587	Phœnicis 6.7	3	39 37,79	2,359	—, 009	——	3	—51 38 35,29	,193	, 159	——
588	Persei 8	3	39 45,68	3,858	+, 067	+,020	4	+54 23 37,78	,189	, 255	— ,01
589	Eridani q 6	3	39 48,95	2,285	—, 009	——	3	—54 21 7,49	,186	, 157	——
590	302 Piscium 6.7	4	39 53,58	3,099	+, 009	+,005	4	+ 2 51 34,45	,183	, 207	+ ,04
591	Phœnicis 6.7	3	40 17,30	2,550	—, 010	——	3	—42 35 16,50	,169	, 175	——
592	18 Persei 6	3	40 25,81	3,774	+, 057	+,011	4	+51 6 56,02	,163	, 251	— ,15
593	61 Mach. Elect. 7	3	40 35,61	2,627	—, 010	+,009	4	—37 59 9,22	,158	, 182	+ ,03
594	Foruacis 8	4	40 58,38	2,779	—, 005	—,116	4	—27 4 40,84	,143	, 186	+ ,01
595	Arietis 6	5	41 2,49	3,295	+, 020	+,015	5	+21 27 10,92	,141	, 218	— ,03
596	19 Persei 6.7	3	41 12,00	3,867	+, 067	+,006	4	+54 19 34,89	,134	, 259	— ,04
597	Phœnicis 6.7	5	41 15,80	2,550	—, 011	——	6	—42 19 34,63	,132	, 178	——
598	Ceti χ 7	4	41 17,21	2,954	+, 002	+,005	4	—11 31 21,57	,132	, 201	— ,11
599	53 Ceti χ² 5	12	41 29,09	2,954	+, 002	+,005	10	—11 30 19,30	,124	, 201	— ,10
600	Persei g 6.7	4	41 42,30	3,755	+, 054	+,011	4	+49 58 24,32	,115	, 254	— ,03
601	54 Ceti 6	6	42 7,36	3,175	+, 013	+,013	5	+10 13 24,51	,100	, 214	— ,03
602	45 Cassiopeiæ ε 3.4	6	42 36,68	4,200	+, 193	+,033	11	+62 51 11,00	,079	, 287	— ,01
603	Mach Elect k¹ 6.7	6	42 41,67	2,598	—, 010	+,004	8	—39 14 14,31	,077	, 184	+ ,29
604	Piscium 9	2	43 5,66	3,105	+, 009	+,005	4	+ 3 18 33,94	,062	, 213	+ ,01
605	21 Persei 7	3	43 7,33	3,731	+, 052	+,023	4	+48 37 28,47	,062	, 256	— ,27
606	Ceti 8	4	43 17,40	3,174	+, 013	+,011	4	+ 9 59 31,07	,056	, 216	— ,09
607	Cassiopeiæ d 6.7	3	43 17,81	4,503	+, 139	+,009	4	+67 52 11,18	,056	, 290	— ,03
608	55 Ceti ζ 3	7	43 19,14	2,956	—, 002	+,008	10	—11 9 10,43	,055	, 205	— ,03
609	240 Androm. 6.7	3	43 25,16	3,559	+, 036	+,006	4	+39 54 41,46	,050	, 243	— ,10
610	2 Trianguli α 3.4	12	43 41,72	3,392	+, 025	+,007	13	+28 46 18,59	,039	, 230	— ,19
611	Phœnicis 6.7	3	43 42,84	2,407	—, 009	——	3	—48 38 21,28	,039	, 167	——
612	Eridani 8	4	43 58,78	2,225	—, 009	——	4	—55 16 59,95	,029	, 157	——
613	Mach Elect ω 7	2	44 23,89	2,566	—, 010	,000	4	—40 39 14,59	,012	, 183	— .04
614	Arietis γ¹ 8	2	44 29,34	3,268	+, 018	+,007	13	+18 29 3,74	,009	, 222	— ,14
615	5 ——— γ² 4.5	12	44 29,39	3,268	+, 018	+,007	6	+18 28 54,63	,009	, 222	— ,46
616	Phœnicis 6.7	2	44 30,21	2,343	—, 009	——	2	—51 1 29,26	,008	, 165	——
617	Eridani 7.8	3	44 51,21	2,224	—, 008	——	3	—55 5 48,93	17,994	, 158	——
618	39 Messoris 6.7	3	44 52,59	4,928	+, 190	+,011	4	+72 20 34,17	,994	, 320	— ,14
619	111 Piscium ξ 5.6	5	45 1,28	3,095	+, 008	+,005	5	+ 2 22 14,45	,988	, 215	+ ,05
620	22 Persei 7	3	45 10,99	3,800	+, 057	+,023	4	+50 52 30,59	,983	, 264	— ,05
621	242 Androm. 6.7	1	45 14,11	3,507	+, 032	+,004	3	+36 18 48,92	,981	, 242	— ,15
622	Phœnicis 8	4	45 23,91	2,424	—, 010	——	4	—47 28 28,17	,973	, 172	——
623	Cassiopeiæ 7.8	5	45 27,17	5,311	+, 250	+,025	10	+75 8 38,30	,971	, 360	+ ,02
624	6 Arietis β 3	28	45 32,40	3,287	+, 019	+,019	22	+19 59 54,07	,969	, 226	— ,15
625	243 Androm. 6	2	46 10,41	3,513	+, 032	+,015	6	+36 27 52,30	,944	, 244	— ,07
626	65 Mach Elect 6.7	2	46 16,87	2,579	—, 010	+,033	4	—39 24 40,00	,940	, 186	+ ,06
627	Androm. F 6	7	46 22,77	3,513	+, 032	+,022	3	+36 26 18,59	,935	, 244	— ,05
628	7 Arietis 6	5	46 39,91	3,323	+, 021	+,007	6	+22 45 55,65	,924	, 230	— ,01
629	Phœnicis 5.6	5	47 1,75	2,423	—, 010	——	5	—47 6 45,79	,910	, 174	——
630	Piscium 7	5	47 22,48	3,082	+, 020	+,008	5	+ 1 1 42,06	,897	, 218	+ ,07

No.	Star's name and mag.		No. Obs.	α Jan. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
631	Eridani	8.9	3	1 47 22,52	+2,238	—,00007	——	3	—54 3 48,50	17,897	—,00160	——
632	Phœnicis ϑ	5	6	47 31,28	2,501	—, 009	—,005	9	—43 18 30,92	,891	, 182	+0,02
633	Androm.	7.8	4	47 41,59	3,704	+, 047	+,005	4	+46 17 9,14	,884	, 261	— ,03
634	25 Persei	6.7	2	48 6,80	3,756	+, 051	+,006	4	+48 23 37,51	,868	, 266	+ ,01
635	8 Arietis ι	6	10	48 21,01	3,257	+, 017	+,009	8	+17 0 31,33	,859	, 229	— ,05
636	20 Trianguli	6.7	3	48 22,48	3,381	+, 024	+,009	2	+26 59 51,82	,858	, 239	— ,03
637	48 Cassiopeiæ	5	4	48 32,24	4,754	+, 162	—,003	4	+70 6 6,63	,851	, 330	+ ,01
638	9 Arietis λ	5.6	6	48 45,03	3,328	+, 021	—,008	9	+22 47 16,93	,841	, 236	— ,03
639	147 Cassiopeiæ	6	7	48 51,37	5,615	+, 330	+,080	10	+76 28 55,39	,837	, 380	— ,11
640	56 Ceti υ¹	6	5	48 56,54	2,807	—, 002	+,023	5	—23 20 8,09	,835	, 203	— ,06
641	50 Cassiopeiæ	4.5	6	49 30,02	4,922	+, 180	+,004	6	+71 37 3,04	,812	, 340	,00
642	Eridani α	4	6	49 32,23	2,271	—, 007	——	7	—52 25 54,62	,811	, 167	——
643	150 Cassiopeiæ	6	4	49 59,39	5,427	+, 260	+,020	4	+75 18 56,62	,792	, 370	— ,01
644	Arietis	6	5	50 27,05	3,300	+, 019	+,021	4	+20 15 14,35	,774	, 286	— ,06
645	Piscium	7	5	50 36,51	3,197	+, 014	+,012	5	+11 29 27,73	,768	, 230	— ,15
646	Phœnicis	var.	2	50 37,45	2,352	—, 007	——	2	—49 11 33,69	,767	, 173	——
647	151 Cassiopeiæ	6	2	50 40,02	4,350	+, 108	+,005	4	+64 6 1,12	,766	, 314	— ,05
648	Phœnicis	6.7	3	50 42,40	2,259	—, 007	——	3	—52 35 6,88	,764	, 166	——
649	Hydri η²	4.5	4	50 45,67	1,497	+, 009	——	5	—68 27 34,89	,762	, 112	——
650	153 Cassiopeiæ	6.7	2	50 52,29	4,323	+, 108	+,009	5	+63 35 18,21	,756	, 310	+ ,03
651	152 Cassiopeiæ	7	2	51 10,35	5,215	+, 212	,000	4	+73 47 7,24	,743	, 360	+ ,05
652	Ceti	7	4	51 20,30	3,128	+, 010	+,014	6	+ 5 13 56,05	,738	, 227	— ,02
653	27 Persei	5	4	51 21,74	3,920	+, 067	+,018	4	+53 41 8,85	,737	, 287	,00
654	Ceti	8	5	51 33,64	3,138	+, 011	+,008	4	+ 6 6 56,37	,728	, 228	,00
655	Phœnicis ψ	7	2	51 34,24	2,508	—, 009	—,001	4	—41 58 29,96	,728	, 188	— ,01
656	112 Piscium	6	5	51 34,83	3,096	+, 009	+,032	5	+ 2 18 18,24	,727	, 227	— ,22
657	———	8	4	51 47,42	3,110	+, 012	,000	4	+ 3 35 9,34	,718	, 227	+ ,02
658	57 Ceti t	6	4	52 0,70	2,822	—, 002	+,008	5	—21 37 44,49	,710	, 210	,00
659	59 ——— υ²	4.5	6	52 13,86	2,818	—, 002	—,010	7	—21 52 49,00	,702	, 209	— ,07
660	Phœnicis ψ	7	3	52 33,60	2,513	—, 009	——	3	—41 31 46,50	,687	, 188	——
661	Phœnicis ε²	6	4	52 50,46	2,485	—, 009	—,012	4	—42 49 45,51	,675	, 187	— ,16
662	Cassiopeiæ	8	2	52 50,63	4,344	+, 108	+,009	4	+63 35 15,78	,675	, 318	+ ,04
663	Ceti	7.8	3	53 10,01	3,149	+, 011	+,021	4	+ 7 3 58,20	,663	, 231	— ,17
664	Trianguli ε	6	2	53 21,21	3,475	+, 029	+,016	4	+32 29 5,09	,654	, 256	— ,03
665	113 Piscium α	5	9	53 31,07	3,093	+, 008	+,009	10	+ 1 57 50,19	,648	, 229	— ,05
666	Hydri α	3	5	53 34,25	1,856	—, 004	——	4	—62 22 26,37	,646	, 147	——
667	57 Androm. γ	3.4	11	53 48,07	3,635	+, 040	+,012	5	+41 32 2,52	,635	, 271	— ,06
668	———	7.8	2	53 48,98	3,635	+, 040	+,017	2	+41 32 6,23	,635	, 271	— ,20
669	Mach Elect ν¹	5.6	2	53 52,74	2,691	—, 005	—,002	4	—30 47 49,44	,632	, 200	— ,01
670	Arietis	7	7	54 2,70	2,871	, 000	——	9	—17 22 5,08	,626	, 216	——
671	Arietis	7	6	54 10,35	3,186	+, 013	+,016	5	+10 13 10,67	,622	, 235	— ,10
672	37 ———	6.7	6	54 18,45	3,371	+, 023	+,013	4	+25 8 12,32	,616	, 249	— ,09
673	——— A	6	5	54 40,65	3,273	+, 017	+,016	6	+17 27 25,95	,600	, 243	— ,03
674	50 Ceti	6	5	54 44,35	3,064	+, 007	+,004	5	— 0 40 13,21	,597	, 229	— ,08
675	Arietis	7.8	4	55 1,26	3,372	+, 023	+,014	3	+25 7 25,86	,585	, 251	— ,09

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
676	154 Cassiopeiæ	6.7	6	1 55 2,01	+4,915	+,00172	+,062	7	+70 46 17,08	17,585	—,00364	—0,24
677	Phœnicis χ	5	8	55 5,48	2,416	—, 008	—,028	7	—45 30 36,61	,583	, 183	+ ,29
678	Ceti	8	2	55 8,11	3,013	+, 005	+,018	4	— 5 7 39,28	,581	, 228	+ ,01
679	304 ———	6.7	3	55 21,86	3,058	+, 006	+,022	4	— 1 8 3,74	,571	, 229	— ,04
680	39 Arietis	7	4	56 9,36	3,150	+, 012	+,012	4	+ 6 56 28,30	,538	, 236	— ,02
681	Mach. Elect. ν²	5.6	4	57 5,59	2,692	—, 005	+,001	4	—30 5 27,62	,497	, 205	+ ,01
682	12 Arietis κ	6	5	57 20,95	3,334	+, 020	+,014	5	+21 51 31,25	,487	, 252	— ,07
683	———	6	5	57 22,41	3,377	+, 023	———	5	+25 2 22,59	,486	, 255	———
684	——— φ	6.7	3	57 29,05	3,376	+, 023	+,007	4	+24 54 51,15	,480	, 255	— ,03
685	13 ——— α	3	61	57 53,25	3,346	+, 021	+,023	91	+22 40 43,30	,463	, 255	— ,17
686	252 Androm.	6	4	58 33,43	3,570	+, 034	+,042	8	+37 4 20,07	,434	, 276	— ,05
687	47 Arietis	7	3	58 43,23	3,276	+, 017	—,008	4	+17 14 23,89	,432	, 251	— ,03
688	Eridani	8	4	58 53,63	2,268	—, 006	———	4	—50 28 29,78	,421	, 178	———
689	Ceti	8	5	58 53,69	3,165	+, 012	+,014	4	+ 8 3 23,63	,420	, 242	— ,02
690	Persei	8.9	4	59 1,83	3,969	+, 068	+,035	4	+53 32 38,10	,413	, 308	— ,18
691	30 Persei	7	3	59 6,24	3,955	+, 064	+,006	4	+53 3 31,94	,411	, 304	— ,04
692	Horologii	7	3	59 8,10	1,960	—, 003	———	3	—59 8 14,78	,410	, 155	———
693	Ceti	8	8	59 35,48	3,165	+, 012	+,011	5	+ 8 3 48,74	,389	, 244	— ,11
694	4 Trianguli β	4	11	59 44,95	3,524	+, 031	+,014	11	+34 12 11,37	,381	, 274	— ,09
695	14 Arietis	5.6	6	2 0 2,84	3,385	+, 023	+,010	5	+25 9 19,65	,369	, 261	— ,07
696	32 Persei	7	4	0 3,09	4,096	+, 078	+,023	4	+56 51 42,92	,369	, 319	+ ,06
697	Eridani	7	3	0 45,90	2,079	—, 005	———	3	—55 52 21,51	,337	, 164	———
698	62 Ceti	8	4	0 48,70	3,034	+, 007	+,001	4	— 3 6 55,41	,336	, 238	— ,10
699	255 Androm.	6.7	2	0 53,80	3,601	+, 035	—,003	4	+38 15 25,44	,331	, 281	+ ,01
700	62 Ceti	6.7	5	1 4,80	3,112	+, 010	+,009	6	+ 3 26 52,41	,323	, 242	— ,05
701	Phœnicis ω¹	7	2	1 22,96	2,448	—, 008	—,008	4	—42 40 4,74	,310	, 193	— ,27
702	15 Arietis	6	6	1 29,56	3,300	+, 018	+,019	5	+18 43 6,88	,305	, 257	— ,04
703	155 Cassiopeiæ	6.7	3	1 37,36	4,573	+, 126	+,001	4	+65 44 48,02	,299	, 354	— ,05
704	26 Trianguli	7	3	1 47,67	3,474	+, 028	+,011	4	+30 44 41,44	,292	, 274	— ,04
705	Arietis	7.8	1	1 47,67	3,465	+, 027	———	3	+30 12 11,48	,292	, 272	———
706	Arietis	8	2	2 8,47	3,326	+, 020	+,031	4	+20 35 45,61	,276	, 261	— ,09
707	Horologii	8	4	2 11,39	1,805	+, 001	———	4	—61 46 27,13	,275	, 146	———
708	33 Persei	6.7	2	2 33,44	3,952	+, 061	+,007	4	+52 16 45,72	,260	, 311	+ ,03
709	Eridani H¹	6.7	2	2 33,75	2,406	—, 007	—,018	4	—44 17 52,46	,259	, 193	— ,07
710	64 Ceti	6.7	5	2 39,04	3,164	+, 012	—,002	5	+ 7 47 39,61	,254	, 248	— ,08
711	Persei h	6.7	6	2 40,38	3,893	+, 055	+,038	10	+50 17 40,82	,254	, 307	— ,21
712	6 Trianguli ι	5.6	8	2 49,07	3,458	+, 027	+,004	8	+29 31 33,98	,247	, 273	— ,11
713	Androm. b	5.6	4	2 54,44	3,718	+, 043	+,011	4	+43 27 9,25	,243	, 298	— ,12
714	Phœnicis ω²	7	2	3 2,37	2,462	—, 008	+,007	4	—41 38 53,50	,237	, 197	— ,13
715	63 Ceti	6	6	3 13,61	3,040	+, 007	+,019	3	— 2 36 16,70	,228	, 242	— ,13
716	Arietis B	6.7	3	3 18,74	3,367	+, 022	+,010	4	+23 23 19,88	,225	, 266	— ,03
717	Eridani H²	6	2	3 29,46	2,394	—, 007	—,009	4	—44 35 49,86	,217	, 193	— ,01
718	17 Arietis η	6	5	3 34,65	3,327	+, 019	+,024	5	+20 25 53,51	,213	, 263	— ,09
719	Eridani	7	3	3 44,60	2,175	—, 004	———	3	—52 30 54,49	,205	, 175	———
720	Arietis	8	3	3 45,30	3,308	+, 018	+,007	3	+19 2 34,53	,205	, 262	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
721	Eridani 6	6	2 3 47,41	+2,202	—,00005	——	7	—51 38 5,54	17,203	—,00177	——
722	19 Arietis 7	14	4 4,07	3,249	+, 016	+,022	5	+14 30 11,36	,191	, 257	— ,02
723	262 Androm. 7	4	4 12,56	3,837	+, 051	+,005	4	+48 0 24,69	,186	, 306	— ,03
724	65 Ceti ξ¹ 5	20	4 15,93	3,169	+, 012	+,011	10	+ 8 4 9,56	,182	, 251	— ,04
725	66 ——— var.	4	4 21,60	3,033	+, 007	+,028	4	— 3 10 15,68	,178	, 242	— ,01
726	334 Ceti 6.7	2	4 22,44	3,033	+, 007	+,024	4	— 3 10 6,12	,178	, 242	— ,08
727	——— 8	3	4 27,68	3,114	+, 010	+,009	4	+ 3 30 32,73	,173	, 248	— ,02
728	59 Arietis 7	2	4 43,27	3,307	+, 018	+,003	4	+18 50 16,21	,161	, 263	— ,03
729	337 Ceti 7	3	4 51,83	3,122	+, 010	—,011	4	+ 4 14 19,03	,154	, 249	— ,09
730	Phœnicis 7.8	4	4 54,17	2,318	—, 007	——	4	—47 21 50,03	,153	, 187	——
731	Persei 7.8	3	5 18,48	4,112	+, 074	+,013	2	+56 15 22,12	,136	, 332	— ,07
732	Ceti 7	3	5 22,41	3,025	+, 006	+,013	3	— 3 48 25,08	,132	, 244	— ,06
733	Horologii 8.9	3	5 23,35	1,769	+, 001	——	3	—61 52 37,39	,131	, 146	——
734	Persei 7.8	5	5 23,41	4,114	+, 074	+,014	4	+56 16 57,25	,131	, 332	+ ,01
735	Mach. Elect. β 6	2	5 38,47	2,644	—, 004	+,005	4	—31 30 1,95	,120	, 212	— ,04
736	Androm. 8	2	5 50,45	3,849	+, 051	+,017	4	+48 6 21,92	,111	, 311	— ,05
737	Persei 8.9	4	5 57,96	4,157	+, 077	+,002	2	+57 15 0,85	,105	, 338	— ,04
738	Phœnicis 7.8	3	6 1,73	2,306	—, 006	——	3	—47 35 22,23	,101	, 187	——
739	Ceti 7.8	3	6 7,64	3,080	+, 008	+,014	4	+ 0 54 13,21	,097	, 248	— ,10
740	Trianguli η 6	3	6 11,98	3,518	+, 030	+,006	4	+32 35 15,46	,094	, 285	— ,06
741	62 Arietis 6.7	2	6 20,19	3,398	+, 023	+,020	4	+25 0 47,14	,088	, 273	— ,12
742	61 ——— 7	3	6 21,94	3,387	+, 022	—,002	4	+24 16 29,19	,086	, 272	— ,07
743	38 Persei 6	2	6 23,21	4,155	+, 077	+,023	3	+57 7 44,52	,085	, 338	— ,01
744	——— χ 6	1	6 32,07	4,141	+, 077	+,006	4	+56 44 47,76	,078	, 338	— ,03
745	Horologii 10	5	6 37,43	2,021	—, 002	——	6	—56 15 58,65	,075	, 166	——
746	Trianguli δ 5.6	5	7 0,75	3,536	+, 030	—,031	6	+33 27 52,69	,056	, 287	— ,26
747	——— γ 5.6	3	7 31,78	3,532	+, 030	+,013	4	+33 4 47,84	,032	, 287	,00
748	Persei 7	1	7 32,88	4,132	+, 075	+,002	3	+56 22 4,51	,031	, 339	+ ,01
749	41 ——— 7.8	3	7 41,57	4,136	+, 075	+,001	—	+56 25 ——	,025	, 340	——
750	22 Eridani 6.7	2	7 51,30	2,435	—, 007	—,008	4	—41 56 16,54	,017	, 200	+ ,08
751	Trianguli 8	4	7 51,80	3,447	+, 025	+,028		+27 58 ——	,016	, 281	+ ,23
752	——— 8	3	7 52,15	3,447	+, 025	+,019	7	+27 58 44,66	,016	, 281	— ,12
753	Ceti 7.8	3	7 57,17	3,089	+, 009	+,009	3	+ 1 28 8,07	,012	, 253	+ ,02
754	Horologii 8	3	8 16,52	1,930	—, 001	——	3	—58 7 0,47	16,999	, 160	——
755	Ceti 8	2	8 30,08	3,025	—, 006	+,009	2	— 3 40 25,71	,987	, 248	— ,06
756	262 Androm. 8.9	2	8 39,21	3,868	+, 051	—,005	—	+48 12 ——	,980	, 317	——
757	——— o 6.7	3	8 40,23	3,824	+, 049	+,011	4	+46 36 50,82	,979	, 314	+ ,01
758	Ceti 9	3	8 40,92	3,128	+, 010	+,019	4	+ 4 35 28,54	,978	, 255	— ,03
759	349 ——— 7	1	8 43,12	3,085	+, 009	—,011	3	+ 1 5 31,81	,977	, 253	— ,04
760	Eridani 7.8	4	8 44,20	2,433	—, 005	—,009	3	—41 50 26,40	,976	, 201	— ,02
761	Ceti 7.8	2	8 45,00	2,979	+, 005	—,004	2	— 7 20 48,63	,975	, 245	+ ,01
762	67 ——— F 6	5	8 45,55	2,981	+, 005	+,016	5	— 7 11 8,55	,974	, 245	— ,12
763	22 Arietis θ¹ 6	9	8 57,76	3,318	+, 018	+,011	6	+19 8 3,08	,965	, 271	— ,02
764	Trianguli α 5.6	2	9 24,72	3,449	+, 025	+,007	4	+27 52 36,40	,943	, 284	— ,09
765	Ceti 6	9	9 27,50	3,083	+, 009	+,030	8	+ 0 58 26,94	,941	, 254	+ ,36

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
766	Eridani 7.8	3	2 9 28,41	+2,166	—,00003	——	3	—51 39 15,47	16,941	—,00181	——
767	Arietis θ² 7	3	9 59,10	3,317	+, 018	+,006	4	+18 55 42,78	,917	, 273	— ,12
768	265 Androm. 6	2	10 5,34	3,909	+, 054	+,018	3	+49 23 22,08	,912	, 325	— ,07
769	Fornacis 6.7	3	10 20,46	2,533	—, 004	——	3	—36 45 4,87	,900	, 210	——
770	Eridani φ 4	9	10 36,87	2,138	—, 003	——	10	—52 16 42,62	,888	, 180	——
771	9 Persei i 5	9	10 54,57	4,106	+, 072	+,006	9	+55 5 5,13	,873	, 345	,00
772	68 Ceti o var.	16	11 1,12	3,024	+, 006	+,011	4	— 3 43 50,37	,868	, 251	— ,31
773	——— 11	1	11 8,65	3,024	+, 006	——	9	— 3 43 48,63	,863	, 251	— ,28
774	355 ——— 6.7	3	11 23,18	3,006	+, 005	—,001	4	— 5 6 30,53	,850	, 250	— ,04
775	Mach. Elect. ρ¹ 6	4	11 35,17	2,705	—, 001	—,008	4	—26 43 46,47	,842	, 227	+ ,35
776	267 Androm. 6.7	4	12 35,96	3,699	+, 038	+,005	4	+40 38 38,22	,794	, 312	— ,03
777	——— 7.8	4	12 38,55	3,701	+, 038	+,040	4	+40 43 21,53	,792	, 312	— ,01
778	Phœnicis 8	4	12 39,29	2,463	—, 005	——	5	—39 44 20,34	,792	, 207	——
779	Ceti 8	4	12 48,53	3,160	+, 012	+,002	4	+ 6 59 35,12	,783	, 264	— ,02
780	Eridani 6.7	2	12 50,19	2,397	—, 004	——	2	—42 36 38,64	,782	, 203	——
781	Ceti 9.10	3	13 17,77	3,024	+, 006	+,001	4	— 3 43 7,82	,760	, 254	— ,02
782	——— 8.9	3	13 18,03	3,057	+, 007	+,008	4	— 1 6 30,42	,760	, 258	— ,15
783	——— 7.8	4	13 20,62	3,074	+, 008	+,007	4	+ 0 12 42,72	,757	, 258	— ,04
784	268 Androm 6	3	13 29,62	3,925	+, 053	+,014	4	+49 15 10,48	,750	, 333	— ,11
785	69 Ceti 6	5	13 29,89	3,066	+, 008	+,022	5	— 0 21 41,76	,750	, 259	— ,08
786	46 Persei 6.7	3	13 40,02	4,157	+, 075	—,017	4	+55 51 20,04	,742	, 356	— ,01
787	70 Ceti 6	5	13 48,49	3,050	+, 007	+,010	5	— 1 38 21,12	,736	, 259	— ,04
788	Phœnicis 8	8	13 55,72	2,338	—, 004	——	8	—44 49 4,83	,729	, 199	——
789	Horologii 8.9	3	14 26,75	1,936	—, 001	——	3	—56 52 34,24	,705	, 167	——
790	21 Cephei 7	2	14 29,97	7,696	+, 627	—,003	4	+80 54 16,57	,702	, 630	+ ,10
791	Horologii 6	3	14 34,58	1,943	—, 001	——	3	—56 42 16,82	,698	, 167	——
792	Androm. p 5.6	3	14 39,67	3,940	+, 055	+,019	4	+49 31 35,88	,694	, 335	— ,11
793	Horologii 8	8	14 56,65	1,934	—, 001	——	9	—56 51 21,71	,681	, 167	——
794	Fornacis χ 6	8	14 59,80	2,732	—, 003	+,033	8	—24 34 8,07	,678	, 233	— ,02
795	Horologii 7	3	15 10,40	1,902	—, 001	——	3	—57 32 29,72	,670	, 161	——
796	Cassiopeiæ 4.5	19	15 34,49	4,798	+, 133	—,014	13	+66 39 14,87	,651	, 400	— ,01
797	Ceti 6.7	6	15 42,06	3,189	+, 013	+,004	5	+ 8 57 49,40	,645	, 270	— ,11
798	Eridani G² 7	4	15 43,21	2,351	—, 004	+,002	4	—43 57 24,58	,644	, 203	— ,05
799	Tri. Min. 7.8	4	15 52,58	3,487	+, 026	+,014	4	+29 7 51,46	,635	, 299	— ,07
800	Phœnicis 7.8	2	15 53,35	2,440	—, 004	——	2	—40 10 3,54	,635	, 210	——
801	24 Arietis ξ¹ 6	6	15 58,99	3,201	+, 014	+,008	4	+ 9 51 35,34	,630	, 272	— ,02
802	Fornacis 6.7	3	16 1,86	2,678	—, 001	——	3	—27 44 45,52	,627	, 230	——
803	——— 7.8	3	16 2,38	2,628	—, 001	——	3	—30 37 5,17	,627	, 225	——
804	——— 6.7	2	16 18,52	2,478	—, 004	——	2	—38 19 39,97	,613	, 214	——
805	71 Ceti 6	5	16 38,51	3,025	+, 006	+,008	6	— 3 31 50,26	,597	, 260	— ,02
806	Ceti 8.9	4	16 40,59	3,069	+, 008	+,016	4	— 0 6 44,93	,595	, 264	— ,09
807	Persei 8	4	16 47,68	4,026	+, 061	+,010	4	+51 48 8,44	,589	, 349	+ ,02
808	272 Androm. 6.7	4	16 49,98	3,962	+, 055	+,010	4	+49 49 36,21	,587	, 343	— ,22
809	Arietis 7.8	3	16 51,82	3,200	+, 014	+,016	4	+ 9 45 22,82	,586	, 274	— ,06
810	Eridani 7	3	17 6,68	2,112	—, 002	——	3	—51 50 51,26	,575	, 183	——

No.	Star's name and mag.	No. Obs.	α Jan. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
811	Arietis 7	3	2 17 19,95	+3,203	+,00014	+,008	4	+ 9 54 4,37	16,563	—,00274	— ,21
812	Trianguli d 7	3	17 41,88	3,526	+, 028	—,017	4	+31 3 20,61	,545	, 305	— ,09
813	Eridani 6.7	3	17 55,25	2,399	—, 004	+,016	4	—41 35 43,86	,534	, 209	+ ,10
814	Arietis 6	6	17 55,25	3,202	+, 014	+,010	4	+ 9 49 8,70	,534	, 276	— ,01
815	Horologii 9	5	17 57,22	1,892	+, 002	——	4	—57 17 49,02	,533	, 164	——
816	72 Ceti 5	6	17 59,01	2,896	+, 003	+,005	10	—13 2 17,59	,532	, 253	— ,11
817	Horologii 9	5	18 9,98	1,890	+, 002	——	3	—57 17 58,19	,523	, 164	——
818	——— 8	6	18 13,66	1,877	+, 002	——	5	—57 33 54,00	,520	, 253	——
819	Phœnicis 7.8	3	18 23,23	2,365	—, 002	——	3	—42 54 32,76	,512	, 207	——
820	12 Trianguli 6	12	18 30,82	3,491	+, 026	+,006	7	+28 55 41,90	,506	, 303	— ,17
821	Trianguli 8	5	18 31,72	3,494	+, 026	+,017	4	+29 7 43,01	,505	, 303	— ,04
822	Arietis ξ² 7	4	18 37,53	3,193	+, 013	—,019	4	+ 9 27 43,82	,500	, 276	— ,24
823	Hydri δ 4	6	18 50,18	1,044	+, 029	——	5	—69 24 46,66	,489	, 094	——
824	Trianguli 10	3	19 5,25	3,493	+, 026	+,011	2	+28 56 37,01	,477	, 304	— ,08
825	46 Messoris 7	12	19 8,28	5,232	+, 174	+,017	9	+70 33 35,74	,474	, 440	,00
826	40 Trianguli 6	2	19 8,94	3,497	+, 026	—,001	4	+29 11 6,13	,474	, 305	+ ,04
827	Ceti ξ² 5	24	19 23,80	3,174	+, 012	+,009	6	+ 7 43 0,77	,461	, 276	+ ,03
828	383 Arietis 7	3	19 29,34	3,087	+, 009	—,001	4	+ 1 13 3,87	,457	, 270	+ ,01
829	Horologii λ 5.6	3	20 17,25	1,682	+, 005	——	3	—61 3 3,47	,417	, 101	——
830	Eridani κ 4.5	14	20 56,25	2,201	—, 001	——	13	—48 26 49,01	,384	, 196	——
831	Mach. Elect. A 6	3	21 2,75	2,539	—, 001	+,003	4	—34 33 14,34	,379	, 224	— ,10
832	Arietis 6.7	5	21 3,81	3,423	+, 023	+,015	5	+24 30 0,08	,378	, 302	— ,04
833	26 ——— 6.7	5	21 24,16	3,339	+, 018	+,069	5	+19 7 6,81	,361	, 294	— ,11
834	Fornacis 6.7	3	21 26,29	2,486	—, 002	——	3	—37 4 58,43	,360	, 220	——
835	——— 6	3	21 29,07	2,590	, 000	——	3	—31 50 35,52	,357	, 228	——
836	Arietis ψ 6	6	21 46,03	3,308	+, 017	+,011	5	+16 58 12,02	,341	, 291	— ,16
837	42 Trianguli 5.6	2	22 2,98	3,624	+, 032	—,015	4	+35 24 38,70	,328	, 321	— ,01
838	51 Persei 7	3	22 3,13	4,050	+, 060	+,019	4	+51 34 27,75	,328	, 361	— ,02
839	——— 8	4	22 8,76	3,594	+, 031	+,008	4	+33 56 37,00	,323	, 319	— ,03
840	Phœnicis 8	2	22 18,83	2,391	—, 003	——	2	—41 10 27,50	,314	, 214	——
841	Fornacis F¹ 7	3	22 23,49	2,734	+, 001	+,017	4	—23 25 17,00	,311	, 245	— ,01
842	Messoris n 5.6	3	22 31,42	5,481	+, 198	—,018	4	+72 5 21,26	,302	, 465	,00
843	Fornacis G 6	3	22 48,80	2,692	, 000	+,008	4	—25 55 28,94	,290	, 241	+ ,07
844	43 Trianguli 6.7	4	22 56,22	3,594	+, 031	—,008	4	+33 48 32,71	,282	, 321	— ,06
845	Fornacis 6	5	23 1,52	2,738	+, 001	+,005	5	—23 16 49,98	,277	, 245	— ,12
846	Ceti 6.7	6	23 13,76	2,849	+, 002	—,002	6	—15 52 16,22	,267	, 257	+ ,03
847	75 ——— u 5.6	9	23 45,97	3,047	+, 007	—,001	11	— 1 46 1,83	,239	, 273	— ,05
848	29 Arietis ω 6.7	4	23 52,80	3,271	+, 015	+,009	5	+14 18 0,94	,232	, 290	+ ,04
849	76 Ceti σ 5	7	24 16,29	2,846	+, 002	+,004	10	—15 58 20,02	,215	, 258	— ,19
850	——— 9	5	24 17,35	3,157	+, 011	+,030	3	+ 6 13 28,82	,214	, 281	— ,01
851	Arietis 6.7	11	24 23,93	3,329	+, 018	+,015	5	+18 8 53,31	,208	, 298	— ,02
852	Fornacis φ 6	3	25 27,03	2,470	—, 004	——	3	—37 9 32,38	,155	, 225	——
853	56 Persei 7	4	25 30,81	4,059	+, 058	+,017	4	+51 14 6,85	,150	, 367	+ ,03
854	46 Trianguli 6	7	25 47,08	3,606	+, 031	—,027	7	+33 57 45,48	,135	, 322	+ ,17
855	——— 8	3	25 51,83	3,607	+, 031	+,035	4	+33 59 57,42	,131	, 322	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
856	Eridani 7	4	2 26 8,36	+2,229	+,00001	——	4	—46 36 4,38	16,119	—,00204	——
857	Fornacis λ 6.7	4	26 14,14	2,505	+, 001	—,011	4	—35 22 44,48	,113	, 228	+ ,01
858	Ceti 6.7	5	26 20,56	3,165	+, 012	+,007	5	+ 6 44 57,33	,107	, 285	— ,16
859	77 —— e^1 6	5	26 34,62	2,951	+, 005	+,014	5	— 8 34 59,68	,096	, 270	— ,10
860	Fornacis 6	5	26 37,33	2,629	+, 001	+,003	5	—28 57 38,32	,093	, 239	— ,06
861	Ceti 6.7	13	27 2,60	3,156	+, 011	+,130	8	+ 6 5 42,42	,070	, 285	+1,43
862	Persei 8	4	27 2,62	4,017	+, 054	+,007	4	+49 46 9,66	,070	, 368	—0,06
863	Ceti d^1 6.7	3	27 4,00	3,011	+, 007	—,005	4	— 4 15 59,61	,069	, 275	— ,61
864	78 —— ν 4.5	18	27 13,39	3,139	+, 011	+,003	11	+ 4 52 9,61	.061	, 285	— ,06
865	—— 8.9	3	27 15,63	3,012	+, 007	+,016	4	— 4 11 0,63	,060	, 275	,00
866	30 Arietis 6	9	27 27,76	3,427	+, 022	+,036	13	+23 55 29,04	,048	, 313	— ,01
867	—— 6.7	7	27 30,64	3,427	+, 022	+,024	2	+23 55 29,06	,046	, 313	+ ,02
868	31 —— ν 6	8	27 38,68	3,237	+, 015	+,026	5	+11 43 42,56	,039	, 293	— ,10
869	Eridani 8	3	27 48,79	2,143	+, 002	——	3	—49 7 2,07	,030	, 198	——
870	Ceti 6.7	6	27 51,17	3,170	+, 012	+,005	6	+ 7 0 27,70	,027	, 288	— ,05
871	80 Ceti e^2 6	4	27 53,14	2,950	+, 004	+,007	6	— 8 33 11,70	,025	, 272	— ,20
872	Horologii 6.7	3	28 17,44	2,047	, 000	——	3	—51 49 8,85	,006	, 188	——
873	Fornacis 7	3	28 30,43	2,428	, 000	——	3	—38 31 48,41	15,992	, 224	——
874	Arietis 8	4	28 49,93	3,236	+, 015	+,024	4	+11 32 54,09	,975	, 295	— ,04
875	60 Persei 7.8	4	28 55,47	4,110	+, 060	+,007	4	+52 5 13,61	,970	, 380	— ,04
876	Fornacis ι^1 6	4	29 2,33	2,589	+, 002	—,004	4	—30 46 1,92	,964	, 238	— ,09
877	Persei 7.8	4	29 14,26	3,999	+, 052	+,024	2	+48 50 35,41	,954	, 369	,00
878	418 Ceti 7.8	6	29 15,49	3,170	+, 012	+,019	4	+ 6 58 36,89	,953	, 290	— ,07
879	81 —— d^2 5.6	4	29 23,33	3,013	+, 007	+,004	5	— 4 6 50,68	,946	, 279	— ,07
880	32 Arietis ν 5.6	6	29 27,79	3,386	+, 020	+,012	5	+21 14 29,36	,942	, 313	— ,19
881	Horologii ε 7	3	29 31,58	1,456	+, 012	——	3	—63 18 45,04	,938	, 092	——
882	420 Ceti 7	3	30 1,96	3,110	+, 010	+,003	4	+ 2 43 28,77	,911	, 287	— ,05
883	Fornacis λ^2 6	3	30 7,45	2,495	+, 001	—,010	4	—35 17 10,84	,907	, 232	— ,33
884	421 Ceti 7	3	30 11,33	3,213	+, 014	+,028	4	+ 9 55 22,42	,903	, 294	— ,06
885	Eridani 8	3	30 50,66	2,348	, 000	——	3	—41 27 47,24	,869	, 219	——
886	82 Ceti δ 4	12	31 1,98	3,066	+, 009	+,006	9	— 0 23 13,41	,858	, 285	+ ,02
887	33 Arietis 6	4	31 3,58	3,477	+, 023	+,018	5	+26 20 51,92	,858	, 323	— ,11
888	Fornacis ι^2 6.7	4	31 11,72	2,580	+, 002	+,005	4	—30 54 27,97	,850	, 240	— ,10
889	63 Persei 7	4	31 17,38	4,216	+, 067	+,012	4	+54 23 44,94	,845	, 396	— ,06
890	Ceti 9	4	31 19,36	2,890	+, 004	+,013	4	—12 27 51,43	,843	, 269	— ,04
891	Ceti 7	9	31 34,26	3,149	+, 012	+,019	5	+ 5 23 52,89	,831	, 291	+ ,04
892	83 —— ε 4.5	11	31 35,17	2,888	+, 004	+,012	9	—12 34 33,30	,828	, 269	— ,22
893	Fornacis 6	4	31 46,11	2,412	, 000	——	4	—38 42 14,91	,818	, 225	——
894	Persei q 5.6	3	31 51,62	3,749	+, 037	+,005	4	+39 29 27,11	,814	, 351	— ,24
895	Horologii η 6.7	7	31 58,38	1,968	+, 004	——	6	—53 15 34,34	,808	, 185	——
896	Eridani 7	3	32 22,22	2,233	+, 001	——	3	—45 26 58,56	,788	, 209	——
897	—— 7.8	3	32 23,18	2,234	+, 001	——	3	—45 25 21,47	,787	, 209	——
898	Ceti 7.8	3	32 26,95	3,149	+, 011	+,002	4	+ 5 21 36, 6	,782	, 294	+ ,01
899	84 —— 6	5	32 47,31	3,051	+, 008	+,020	5	— 1 24 4,93	,764	, 286	— ,18
900	13 Persei θ 4	4	32 58,21	4,007	+, 051	+,014	9	+48 31 29,04	,754	, 378	— ,15

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
901	Fornacis	7	3	2 32 59,48	+2,567	+,00002	——	3	—31 20 35,74	15,753	—,00241	——
902	34 Arietis	μ 6	8	33 4,76	3,361	+, 018	+,026	5	+19 18 16,67	,749	, 315	—0,04
903	——	7	5	33 8,34	3,215	+, 014	+,013	5	+ 9 50 9,34	,745	, 300	— ,10
904	70 Persei	7	4	33 22,20	3,861	+, 042	+,001	4	+43 35 23,87	,733	, 366	+ ,04
905	Fornacis	7	4	33 30,04	2,549	+, 002	——	4	—32 10 41,81	,725	, 240	——
906	Eridani	5	5	33 30,58	2,280	+, 001	—,002	5	—43 36 9,83	,725	, 216	— ,04
907	85 Ceti	6	6	33 36,55	3,218	+, 014	+,008	10	+10 2 2,66	,721	, 301	— ,12
908	35 Arietis	α 4	5	33 47,28	3,495	+, 024	+,016	9	+27 0 0,47	,710	, 331	— ,04
909	Eridani	ι 4.5	5	34 9,53	2,358	, 000	+,027	4	—40 33 52,69	,690	, 224	— ,05
910	86 Ceti	γ 3	6	34 45,42	3,108	+, 010	—,007	5	+ 2 32 12,19	,657	, 295	— ,11
911	Trianguli	8	3	34 50,31	3,530	+, 025	+,007	5	+28 45 30,83	,652	, 337	— ,06
912	36 Arietis	7	3	35 7,53	3,328	+, 017	+,021	5	+17 3 41,59	,637	, 316	— ,01
913	Ceti	9	4	35 17,01	3,102	+, 010	+,006	2	+ 2 6 45,82	,628	, 294	— ,10
914	37 Arietis	ρ 6.7	3	35 28,27	3,290	+, 016	+,016	5	+14 36 29,86	,618	, 312	— ,18
915	Horologii	ζ 5.6	4	35 31,94	1,860	+, 005	——	4	—55 15 29,59	,615	, 177	——
916	Eridani	ξ¹ 7	4	35 32,36	2,389	+, 001	—,005	4	—39 5 27,10	,614	, 228	+ ,04
917	Ceti	8.9	5	35 52,75	3,144	+, 011	+,016	4	+ 4 57 20,16	,595	, 299	— ,02
918	38 Arietis	5.6	8	35 58,86	3,246	+, 015	+,027	5	+11 44 51,22	,589	, 309	— ,02
919	87 Ceti	μ 4	11	36 1,89	3,210	+, 013	+,031	15	+ 9 24 46,67	,586	, 306	— ,18
920	Fornacis	7	3	36 3,05	2,550	+, 003	——	3	—31 46 21,72	,585	, 242	——
921	Eridani	5.6	4	36 12,07	2,160	+, 004	——	4	—47 13 34,30	,577	, 208	——
922	89 Ceti	π 4	8	36 16,44	2,852	+, 004	+,008	10	—14 33 40,61	,574	, 274	— ,18
923	Persei	8.9	4	36 37,79	4,108	+, 057	+,004	4	+50 51 14,02	,554	, 395	,00
924	Ceti	7	3	36 42,33	3,130	+, 010	+,016	2	+ 4 0 45,79	,550	, 299	+ ,04
925	Horologii	7.8	3	36 43,51	1,770	+, 008	——	3	—57 0 9,56	,549	, 171	——
926	Fornacis	6.7	3	36 54,87	2,655	+, 002	——	3	—26 12 0,99	,537	, 255	——
927	48 Eridani	7	3	36 55,72	2,830	+, 003	—,008	4	—41 13 56,02	,537	, 224	+ ,03
928	Horologii	ι 6.7	3	36 57,04	2,007	+, 006	——	3	—51 30 52,19	,536	, 194	——
929	Hydri	ξ 5	10	37 4,89	0,869	+, 036	——	5	—68 58 37,72	,529	, 087	——
930	1 Eridani	τ¹ 5.6	4	37 24,60	2,775	+, 002	+,040	5	—19 16 29,85	,512	, 268	+ ,01
931	Fornacis	θ 6.7	8	37 25,42	2,516	+, 003	—,057	5	—33 13 30,56	,511	, 241	— ,12
932	Ceti	7.8	2	37 33,82	3,144	+, 010	+,023	4	+ 4 53 44,81	,503	, 302	— ,11
933	Persei	9	2	37 38,07	4,030	+, 050	+,016	2	+48 29 18,14	,498	, 389	— ,14
934	Arietis	7.8	4	37 55,48	3,245	+, 014	+,019	3	+11 33 50,85	,482	, 313	— ,08
935	39 ——	b 4	6	38 6,03	3,534	+, 025	+,015	13	+28 33 23,93	,472	, 342	— ,16
936	Persei	5	6	38 42,53	4,299	+, 070	+,002	6	+55 12 16,68	,437	, 420	+ ,03
937	Horologii	θ 6.7	3	38 53,43	1,926	+, 007	——	3	—53 16 10,67	,428	, 188	——
938	Fornacis	7	3	38 53,74	2,554	+, 003	——	3	—31 10 36,68	,428	, 248	——
939	Persei	8	4	39 0,69	4,150	+, 057	+,006	4	+51 35 33,33	,421	, 404	+ ,11
940	Fornacis	7	3	39 5,80	2,382	+, 003	——	3	—38 52 1,41	,416	, 231	——
941	16 Trianguli	6.7	4	39 11,33	3,461	+, 022	+,024	5	+24 29 41,01	,410	, 336	— ,03
942	40 Arietis	6	7	39 17,94	3,343	+, 017	+,017	2	+17 35 34,45	,405	, 323	— ,02
943	Eridani	6.7	3	39 20,82	2,257	+, 004	——	3	—43 31 57,77	,403	, 220	——
944	——	7	3	39 21,59	2,153	+, 005	——	3	—46 59 4,25	,402	, 215	——
945	42 Arietis	π 5	6	40 5,80	3,330	+, 012	+,016	10	+16 46 25,17	,360	, 324	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
946	16 Persei P 4.5	6	2 40 11,61	+3,734	+,00033	+,020	5	+37 38 1,52	15,355	—,00365	—0,16
947	41 Arietis φ 3	7	40 17,29	3,502	+, 024	+,009	10	+26 34 31,49	,350	, 343	— ,17
948	Fornacis 8.9	5	40 21,92	2,398	+, 003	+,025	4	—38 2 24,34	,346	, 234	— ,06
949	Persei 8.9	4	40 27,92	4,155	+, 059	+,021	5	+51 30 49,13	,340	, 408	+ ,02
950	Fornacis η^1 7	4	40 52,13	2,438	+, 003	—,007	4	—36 14 31,50	,316	, 239	— ,09
951	Persei τ 7	6	41 22,20	3,663	+, 030	—,030	7	+34 22 32,07	,289	, 360	— ,10
952	Fornacis υ 5	5	42 2,77	2,389	+, 003	—,007	5	—38 5 38,50	,249	, 235	+ ,05
953	—— β 5	8	42 11,38	2,504	+, 003	+,014	8	—33 6 7,72	,242	, 246	+ ,04
954	43 Arietis σ 6	4	42 23,88	3,294	+, 016	+,023	6	+14 23 52,51	,230	, 324	— ,04
955	Fornacis 9	4	42 24,04	2,504	+, 003	+,007	4	—33 4 3,60	,230	, 246	+ ,13
956	Fornacis	—	42 ——	2,559	+, 003	——	—	—30 29 ——	,228	, 251	——
957	—— 8.9	5	42 27,05	2,538	+, 003	+,004	4	—31 30 9,26	,227	, 249	+ ,04
958	18 Persei τ 5	8	42 32,57	2,661	+, 060	+,016	17	+52 4 50,86	,223	, 253	+ ,02
959	Fornacis γ^1 6	5	42 36,29	4,189	+, 003	+,003	5	—25 14 29,95	,217	, 415	— ,09
960	—— γ^2 6	3	42 45,39	2,595	+, 003	+,003	4	—28 37 49,02	,209	, 256	+ ,06
961	Persei 7	4	42 55,03	4,129	+, 055	+,017	4	+50 29 10,35	,200	, 409	— ,06
962	Eridani 7.8	3	43 0,26	2,134	+, 005	——	3	—47 2 10,58	,195	, 212	——
963	Hydri ζ 5	5	43 1,69	0,877	+, 033	——	5	—68 18 39,93	,194	, 092	——
964	Persei ρ^2 6.7	4	43 19,21	3,746	+, 033	+,008	4	+37 39 34,94	,177	, 370	— ,11
965	123 Arietis 7	4	43 27,83	3,596	+, 027	+,014	4	+30 57 49,70	,168	, 358	— ,10
966	2 Eridani τ^2 4.5	14	43 33,43	2,722	+, 002	+,001	10	—21 41 17,91	,164	, 271	— ,15
967	Fornacis η^2 6	3	43 34,95	2,422	+, 003	+,018	4	—36 31 49,18	,162	, 240	+ ,05
968	—— η^3 6.7	5	44 0,32	2,425	+, 003	+,013	4	—36 21 29,70	,138	, 240	— ,11
969	Arietis 7	5	44 1,21	3,319	+, 017	+,013	5	+15 48 19,64	,137	, 329	— ,10
970	58 Eridani 6.7	3	44 24,75	2,317	+, 003	—,009	4	—40 36 57,94	,114	, 232	+ ,11
971	25 Rangiferis 7	3	44 31,62	7,495	+, 452	—,021	4	+78 45 18,99	,108	, 730	+ ,10
972	Fornacis D 7	3	44 57,26	2,531	+, 003	+,011	3	—31 30 3,07	,083	, 250	+ ,10
973	92 Persei 6.7	3	45 19,25	4,145	+, 056	+,012	4	+50 35 15,89	,062	, 414	— ,13
974	Eridani 9	4	45 23,64	2,923	+, 006	+,004	5	— 9 31 35,89	,057	, 293	— ,01
975	Arietis ρ^1 7.8	4	45 41,17	3,342	+, 018	+,017	4	+17 3 33,53	,041	, 334	— ,03
976	Eridani 6.7	4	46 28,82	2,270	+, 005	——	4	—42 4 9,13	14,994	, 229	——
977	45 Arietis ρ^2 6	5	46 32,97	3,354	+, 018	+,012	5	+17 39 29,80	,990	, 336	— ,11
978	Horologii 6.7	3	46 33,38	1,657	+, 011	——	3	—57 52 24,95	,990	, 166	——
979	Cassiopeiæ 7	4	46 48,25	4,651	+, 090	+,012	6	+60 37 17,26	,975	, 470	+ ,09
980	Eridani K¹ 6.7	3	47 6,59	2,347	+, 005	+,001	4	—39 6 55,08	,958	, 239	+ ,07
981	46 Arietis ρ^3 6	8	47 8,00	3,349	+, 018	+,024	5	+17 21 36,78	,956	, 337	— ,22
982	89 Persei 6	4	47 17,54	3,612	+, 027	+,014	4	+31 15 52,38	,947	, 365	— ,04
983	Arietis 6.7	6	47 24,90	3,192	+, 013	+,011	5	+ 7 42 50,07	,940	, 322	— ,04
984	Fornacis 7	3	48 3,29	2,463	+, 005	——	3	—34 11 56,18	,903	, 250	——
985	Persei π 6	3	48 14,14	3,797	+, 035	+,011	4	+38 59 47,67	,892	, 384	— ,12
986	3 Eridani η 3	12	48 22,26	2,920	+, 006	+,006	9	— 9 33 31,49	,884	, 298	— ,29
987	47 Arietis 6	5	48 39,45	3,397	+, 018	+,045	5	+20 0 6,75	,868	, 345	— ,13
988	Persei ε 6.7	4	48 51,63	3,689	+, 031	—,003	4	+34 30 58,69	,856	, 375	+ ,02
989	98 —— 6	6	49 9,22	4,209	+, 059	+,005	4	+51 41 20,73	,838	, 430	+ ,01
990	—— 8.9	1	49 10,39	4,210	+, 059	—,006	2	+51 41 23,25	,837	, 430	+ ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
991	Eridani 6	3	2 49 25,66	+2,333	+,00006	——	3	—39 19 15,56	14,822	—,00238	——
992	Arietis 7	6	49 26,61	3,416	+, 019	——	4	+20 57 9,17	,821	, 348	——
993	Persei 7.8	5	49 46,21	3,763	+, 033	—,006	4	+37 28 8,53	,802	, 385	—,12
994	48 Arietis ε 5	17	49 47,52	3,412	+, 019	+,009	10	+20 40 31,15	,801	, 348	—,09
995	Fornacis 7	3	49 59,06	2,637	+, 003	——	3	—25 38 4,46	,789	, 270	——
996	4 Eridani 5.6	6	50 3,70	2,659	+, 003	+,010	5	—24 31 42,29	,784	, 272	—,16
997	Fornacis 6.7	4	50 10,67	2,413	+, 005	——	4	—36 2 45,18	,778	, 247	——
998	——— 7	4	50 14,19	2,538	+, 004	—,002	4	—30 31 22,38	,774	, 259	—,06
999	——— 7	3	50 18,35	2,390	+, 005	——	3	—36 57 51,11	,770	, 245	——
1000	——— 7	3	50 38,94	2,386	+, 005	——	3	—37 5 58,17	,760	, 245	——
1001	6 Eridani 5.6	4	50 45,49	2,662	+, 003	+,007	5	—24 16 27,06	,744	, 274	—,05
1002	91 Ceti λ 5.6	3	50 52,96	3,203	+, 013	+,024	2	+ 8 14 44,11	,736	, 327	+,01
1003	248 Persei 7.8	3	50 57,85	3,717	+, 031	+,002	4	+35 27 26,52	,731	, 382	—,10
1004	Eridani K³ 6	3	51 6,66	2,339	+, 006	+,001	4	—38 51 25,48	,723	, 241	+,05
1005	139 Arietis 6.7	5	51 16,28	3,355	+, 017	+,022	4	+17 20 42,28	,714	, 343	—,02
1006	5 Eridani Z¹ 6	3	51 21,67	3,021	+, 008	+,001	5	— 3 7 35,09	,708	, 311	—,09
1007	Horologii β 5	—	51 ——	1,227	+, 018	——	—	—63 45 ——	,708	, 133	——
1008	Fornacis 7.8	3	51 33,12	2,461	+, 005	——	3	—33 48 57,45	,696	, 253	——
1009	Eridani θ¹ 4.5	7	52 0,41	2,279	+, 006	—,008	5	—40 58 9,28	,670	, 235	—,02
1010	——— θ² 6	5	52 1,02	2,279	+, 006	—,007	4	—40 58 7,59	,669	, 235	+,03
1011	Fornacis 6.7	3	52 5,22	2,554	+, 004	——	3	—29 33 59,68	,665	, 263	——
1012	Eridani 7	3	52 7,03	2,341	+, 006	——	3	—38 39 18,80	,663	, 242	——
1013	49 Arietis 6	3	52 11,85	3,512	+, 023	+,004	3	+25 48 13,84	,659	, 362	—,10
1014	Fornacis ζ 6	3	52 20,22	2,627	+, 003	+,006	5	—25 56 21,71	,650	, 271	+,04
1015	Eridani Z² 7	3	52 32,35	3,014	+, 008	—,002	4	— 3 32 15,54	,638	, 312	—,01
1016	51 Arietis 7	2	52 40,14	3,576	+, 023	+,034	5	+25 57 37,82	,630	, 364	—,16
1017	Eridani 7.8	4	52 49,88	2,473	+, 004	,000	4	—33 10 4,54	,621	, 256	—,09
1018	Horologii 7.8	4	52 50,19	1,730	+, 011	——	4	—55 40 42,44	,620	, 178	——
1019	23 Persei γ 4	7	52 53,62	4,279	+, 062	+,033	10	+52 51 12,88	,617	, 445	—,01
1020	8 Eridani ρ¹ 5.6	6	53 3,66	2,937	+, 007	+,013	14	— 8 19 3,47	,607	, 306	—,12
1021	Persei 5	5	53 11,67	4,433	+, 072	—,002	5	+56 3 2,02	,599	, 461	+,10
1022	92 Ceti α 2.3	23	53 39,73	3,126	+, 011	+,008	28	+ 3 26 17,26	,571	, 324	—,10
1023	487 ——— 6	4	53 44,53	3,130	+, 011	+,002	4	+ 3 41 50,47	,566	, 324	—,04
1024	Eridani 7	3	54 0,60	2,227	+, 007	——	3	—42 31 54,89	,550	, 232	——
1025	Messoris o 5.6	3	54 13,65	6,233	+, 233	—,019	4	+73 45 23,72	,536	, 640	—,04
1026	Fornacis 6.7	3	54 18,01	2,455	+, 005	——	3	—33 46 1,45	,532	, 255	——
1027	——— ε 6	4	54 30,93	2,565	+, 004	+,027	6	—28 43 36,88	,520	, 266	—,38
1028	9 Eridani ρ² 5	9	54 36,62	2,936	+, 007	+,004	6	— 8 20 18,37	,513	, 308	+,05
1029	25 Persei ρ 4	7	54 37,64	3,797	+, 034	+,021	4	+38 11 41,10	,512	, 395	—,16
1030	Horologii 7	3	54 41,74	1,774	+, 010	——	3	—54 33 59,72	,508	, 184	——
1031	Eridani 8	3	54 54,72	2,239	+, 006	——	3	—42 0 24,09	,495	, 234	——
1032	11 ——— E 4	6	55 7,21	2,654	+, 003	—,008	5	—24 16 30,48	,482	, 278	—,13
1033	Fornacis 6	—	55 ——	2,666	+, 003	——	2	—23 37 41,15	,476	, 279	——
1034	52 Arietis h 6.7	4	55 47,13	3,496	+, 022	+,022	5	+24 36 28,81	,441	, 365	—,01
1035	492 Ceti 7	4	56 6,71	3,091	+, 009	+,010	4	+ 1 12 54,75	,422	, 325	—,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1036	10 Eridani ρ³ 5	5	2 56 10,62	+2,936	+,00007	+,014	3	— 8 15 2,03	14,418	—,00310	—0,01
1037	Horologii 7.8	3	56 12,39	1,430	, 014	——	3	—60 28 29,09	,416	, 156	——
1038	Eridani 8	3	56 19,03	2,030	, 010	——	3	—48 12 41,35	,408	, 214	——
1039	Persei 4	9	57 12,26	4,145	, 049	+,148	10	+48 58 35,15	,356	, 435	,00
1040	26 ——— β 2.3	9	57 27,58	3,864	, 036	+,013	17	+40 18 49,74	,339	, 407	— ,04
1041	Fornacis 8	3	57 46,26	2,290	, 008	——	3	—39 49 5,10	,320	, 243	——
1042	98 Eridani 7	3	58 0,37	2,148	, 009	—,002	4	—44 32 45,48	,306	, 300	— ,04
1043	53 Arietis 6	5	58 8,90	3,362	, 017	+,002	4	+17 14 14,07	,298	, 353	— ,09
1044	27 Persei κ 5	10	58 23,95	3,985	, 042	+,009	8	+44 13 34,55	,282	, 423	— ,11
1045	Horologii 8	9	58 40,83	1,865	, 011	——	9	—52 3 30,94	,265	, 198	——
1046	54 Arietis 6.7	5	59 0,86	3,380	, 017	+,022	5	+18 9 22,28	,244	, 356	— ,10
1047	Horologii 7	1	59 12,86	1,339	, 017	——	1	—61 26 41,92	,232	, 148	——
1048	——— 8	5	59 23,57	1,865	, 011	——	5	—51 58 9,71	,221	, 198	——
1049	Fornacis 7	1	59 27,50	2,334	, 007	——	1	—37 58 55,34	,217	, 249	——
1050	Rangiferis h 7	3	59 39,63	7,199	, 346	—,024	4	+77 6 57,58	,204	, 750	— ,08
1051	150 Arietis 7.8	3	59 42,22	3,583	, 025	+,014	4	+28 26 30,60	,201	, 381	— ,02
1052	Horologii 5.6	2	59 44,13	1,410	, 015	——	2	—60 22 49,46	,199	, 154	——
1053	Fornacis 7	3	59 45,58	2,512	, 005	——	3	—30 37 34,33	,198	, 268	——
1054	498 Ceti 7	4	59 49,09	3,201	, 012	+,006	4	+ 7 49 48,51	,194	, 341	— ,02
1055	Arietis 7	6	59 53,27	3,417	, 018	+,014	6	+20 7 30,54	,190	, 363	+ ,01
1056	Arietis 8	5	59 58,75	3,276	, 014	+,013	4	+12 13 20,17	,185	, 347	— ,01
1057	Horologii 7.8	2	3 0 7,35	1,330	, 017	——	2	—61 29 10,08	,176	, 148	——
1058	153 Arietis 6.7	4	0 12,37	3,392	, 017	+,006	4	+18 44 44,03	,171	, 360	+ ,03
1059	——— 8.9	5	0 25,16	3,354	, 017	+,010	4	+16 37 40,26	,157	, 356	— ,10
1060	Horologii 7	3	0 29,39	1,313	, 018	——	3	—61 41 26,36	,153	, 147	——
1061	Persei ω 5.6	4	0 39,82	3,838	, 035	+,003	4	+38 58 44,03	,143	, 409	— ,04
1062	Arietis 6.7	13	0 40,19	3,539	, 023	——	9	+26 15 34,87	,142	, 377	——
1063	Fornacis o 6	4	0 48,03	2,557	, 005	+,017	4	—28 28 3,00	,133	, 273	+ ,09
1064	——— 7.8	5	1 45,55	2,274	, 008	——	5	—39 55 55,26	,075	, 245	——
1065	Persei 7.8	3	1 56,65	4,111	, 048	,000	3	+47 29 1,39	,063	, 442	— ,21
1066	Persei 7.8	4	1 58,62	4,114	, 048	+,008	4	+47 33 0,42	,060	, 442	— ,07
1067	Hydri θ¹ 5	5	1 58,67	0,037	—, 070	——	1	—72 32 48,66	,060	, 011	——
1068	Fornacis 6.7	5	2 10,86	2,376	+, 007	——	5	—36 3 42,90	,049	, 255	——
1069	57 Arietis δ 4	18	2 12,37	3,402	, 018	+,017	16	+19 5 48,73	,047	, 364	— ,07
1070	Ceti 6.7	6	2 18,97	3,281	, 015	+,009	5	+12 25 3,11	,041	, 351	+ ,01
1071	56 Arietis i 6	5	2 25,55	3,550	, 023	+,023	5	+26 37 45,27	,033	, 381	— ,08
1072	Eridani 8	3	2 29,15	2,212	, 008	——	3	—41 58 20,79	,029	, 238	——
1073	Fornacis 7.8	3	2 45,30	2,476	, 005	——	3	—31 53 10,61	,013	, 266	——
1074	Camelop. 7.8	4	3 9,99	5,129	, 115	+,001	4	+65 2 16,80	13,987	, 550	+ ,03
1075	502 Ceti 6.7	4	3 41,64	3,172	, 012	+,004	4	+ 6 2 6,89	,954	, 343	— ,02
1076	Horologii 7	3	4 1,18	1,940	, 011	——	3	—49 36 37,08	,933	, 211	——
1077	126 Persei 7	3	4 1,42	3,933	, 039	+,013	4	+41 52 51,07	,933	, 425	— ,08
1078	Horologii 8	6	4 1,63	1,941	, 011	——	5	—49 35 35,79	,933	, 211	——
1079	94 Ceti k¹ 5.6	6	4 21,47	3,040	, 008	+,021	6	— 1 49 6,35	,912	, 330	— ,12
1080	Fornacis 7	3	4 28,42	2,271	, 008	——	3	—39 40 47,53	,904	, 246	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1081	Horologii	7	3	3 4 35,51	+1,274	+,00018	——	3	—61 46 56,78	13,897	—,00144	[illegible]
1082	Eridani	6.7	5	4 53,16	2,519	, 005	—,010	4	—29 47 6,93	,878	, 273	+,01
1083	12 ——	3.4	10	5 3,94	2,521	, 005	+,023	9	—29 38 29,04	,868	, 273	+,07
1084	Horologii	7.8	11	5 6,29	1,945	, 011	——	14	—49 21 36,04	,865	, 207	[illegible]
1085	——	8	7	5 17,72	1,632	, 013	——	7	—56 6 53,85	,853	, 178	[illegible]
1086	Tauri	8.9	5	5 18,74	3,628	, 026	—,001	4	+29 56 12,58	,852	, 394	—,05
1087	58 Arietis ζ	5	23	5 25,84	3,431	, 018	+,012	19	+20 25 39,52	,845	, 373	—,12
1088	Messoris A²	6.7	3	5 32,95	5,150	, 114	—,017	7	+65 2 24,39	,837	, 560	—,01
1089	Fornacis	7	5	5 37,17	2,269	, 008	——	5	—39 38 45,65	,832	, 248	[illegible]
1090	131 Persei	7	4	5 42,68	3,726	, 030	+,014	4	+34 4 19,32	,827	, 406	—,06
1091	Fornacis	7	3	5 49,65	2,471	, 005	——	3	—31 45 7,63	,819	, 268	[illegible]
1092	Horologii	6.7	5	6 32,58	1,489	, 014	——	5	—58 26 5,19	,774	, 159	[illegible]
1093	Fornacis ψ¹	6.7	3	6 33,53	2,350	, 007	—,006	4	—36 33 55,64	,773	, 257	—,01
1094	Eridani u	6.7	6	6 38,37	2,097	, 009	—,018	7	—45 2 29,23	,767	, 230	—,15
1095	132 Persei	6.7	4	6 43,12	3,992	, 041	+,014	4	+43 24 43,90	,762	, 436	,00
1096	61 Fornacis	6.7	4	6 45,11	2,500	, 005	+,002	4	—30 25 26,02	,760	, 273	+ ,08
1097	Horologii	7.8	3	6 54,01	2,023	, 010	——	3	—47 6 33,88	,750	, 223	[illegible]
1098	133 Persei	7	3	6 54,99	4,216	, 050	+,014	4	+49 36 36,63	,750	, 453	—,08
1099	Reticuli	9	5	6 56,52	1,161	, 020	——	7	—62 58 38,79	,748	, 130	[illegible]
1100	Eridani	7	3	7 14,10	2,193	, 008	——	3	—41 59 58,84	,729	, 240	[illegible]
1101	135 Persei	6.7	4	7 25,28	4,213	, 050	+,022	4	+49 29 5,06	,717	, 453	—,06
1102	118 Eridani	7.8	3	7 30,93	2,910	, 005	,000	4	— 9 23 8,97	,712	, 319	—,09
1103	——	7	4	7 36,58	2,268	, 007	——	4	—39 25 33,31	,706	, 249	[illegible]
1104	13 —— ζ	4	15	7 49,38	2,909	, 005	+,004	10	— 9 26 14,15	,692	, 319	—,02
1105	Tauri	8.9	4	7 54,36	3,369	, 017	+,015	4	+16 57 38,75	,686	, 370	—,03
1106	Fornacis H	6	3	7 54,46	2,579	, 004	—,011	4	—26 42 57,60	,686	, 283	+ ,03
1107	—— ψ²	7	4	8 10,93	2,355	, 006	+,008	4	—36 10 30,12	,669	, 259	+ ,04
1108	Horologii	6.7	3	8 23,06	1,507	, 013	——	3	—57 56 27,60	,655	, 166	——
1109	137 Persei	6	4	8 26,05	3,722	, 029	+,012	4	+33 36 46,92	,652	, 409	—,08
1110	14 Eridani	6	8	8 36,46	2,902	, 005	+,019	5	— 9 46 10,91	,642	, 320	—,01
1111	Fornacis	8	3	8 53,45	2,415	, 006	——	3	—33 47 18,46	,624	, 266	——
1112	Eridani	7	2	9 11,75	2,258	, 007	——	2	—39 36 56,11	,604	, 249	——
1113	——	8	5	9 15,01	2,191	, 008	——	5	—41 50 43,10	,600	, 241	——
1114	Fornacis ξ	7	3	9 23,50	2,470	, 005	——	3	—31 26 24,97	,591	, 272	——
1115	Eridani	6.7	3	9 31,64	2,042	, 009	——	3	—46 17 5,48	,583	, 227	——
1116	Eridani	7.8	7	9 46,71	2,123	, 009	——	7	—43 53 54,87	,567	, 235	——
1117	95 Ceti k²	5.6	5	9 56,25	3,045	, 008	+,020	5	— 1 32 9,25	,556	, 336	—,05
1118	Fornacis φ³	7.8	3	10 4,88	2,347	, 006	—,003	4	—36 18 6,75	,548	, 261	—,03
1119	59 Arietis	6.7	5	10 5,53	3,562	, 023	+,012	6	+26 28 8,37	,547	, 394	—,12
1120	139 Persei	6.7	3	10 12,45	4,185	, 049	+,024	4	+48 28 15,04	,539	, 462	—,18
1121	Tauri	5.6	5	10 22,40	3,606	, 024	+,029	5	+28 26 39,45	,528	, 400	—,11
1122	——	7.8	3	10 24,44	3,401	, 017	+,012	6	+18 28 17,49	,526	, 377	+ ,04
1123	140 Persei	6.7	5	10 25,17	3,983	, 040	+,002	4	+42 43 35,95	,525	, 441	—,01
1124	63 Messoris	6	6	10 26,03	5,094	, 107	+,018	4	+63 59 10,53	,524	, 550	—,14
1125	167 Arietis	7	4	10 38.72	3,533	, 022	—,017	4	+25 3 46,04	,511	, 291	—,11

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1126	96 Ceti κ¹ 6	6	3 10 42,95	+3,119	+,00010	+,028	5	+ 2 45 35,78	13,507	—,00346	+0,03
1127	Eridani 8	3	10 44,09	2,184	, 008	——	3	—41 52 47,96	,505	, 242	——
1128	15 ——— 5.6	5	11 4,58	2,648	, 003	+,002	5	—23 7 8,65	,483	, 295	— ,09
1129	Horologii 7.8	3	11 8,50	1,346	, 014	——	3	—60 7 30,86	,479	, 154	——
1130	169 Arietis 6	3	11 23,12	3,430	, 018	+,012	4	+19 54 28,72	,462	, 381	— ,06
1131	142 Persei 7.8	9	11 34,01	4,197	, 049	+,013	5	+48 36 56,55	,451	, 465	— ,05
1132	61 Arietis γ¹ 6	3	11 42,73	3,443	, 018	+,004	5	+20 32 47,50	,442	, 383	— ,11
1133	Eridani 7.8	9	11 56,70	2,267	, 007	——	9	—38 59 3,24	,426	, 253	——
1134	Horologii 6	3	12 4,25	1,952	, 010	——	3	—48 21 36,13	,418	, 218	——
1135	16 Eridani 3.4	8	12 10,76	2,662	, 003	+,006	10	—22 21 44,61	,411	, 296	+ ,09
1136	Fornacis 7.8	3	12 12,15	2,355	, 006	——	3	—35 46 17,17	,410	, 202	——
1137	62 Arietis 6	5	12 18,53	3,578	, 023	+,017	5	+27 0 31,29	,402	, 399	— ,13
1138	Eridani 7.8	5	12 21,49	2,268	, 007	——	4	—38 54 26,85	,399	, 253	——
1139	——— 6.7	3	12 23,52	2,613	, 004	——	3	—24 43 28,88	,397	, 292	——
1140	97 Ceti κ² 6	5	12 29,36	3,125	, 010	+,005	5	+ 3 4 36,03	,391	, 349	— ,06
1141	33 Persei α 2.3	15	12 34,71	4,228	, 050	+,010	37	+49 15 59,85	,385	, 470	— ,13
1142	Fornacis 6	3	12 48,85	2,357	, 006	——	3	—35 36 18,74	,370	, 264	——
1143	63 Arietis γ² 7	5	13 16,41	3,437	, 018	+,016	5	+20 8 48,12	,339	, 384	+ ,04
1144	Eridani e 4	12	13 20,56	2,117	, 009	+,273	15	—43 42 18,16	,335	, 236	+ ,79
1145	——— 7.8	7	13 39,07	2,133	, 008	——	7	—43 10 22,83	,315	, 240	——
1146	Fornacis 7	4	13 40,95	2,564	, 005	——	4	—26 53 34,20	,313	, 287	——
1147	——— 6.7	3	13 42,78	2,557	, 005	——	3	—27 12 28,99	,311	, 287	——
1148	Arietis 8	4	13 48,93	3,443	, 018	+,008	4	+20 22 31,60	,304	, 386	— ,12
1149	Eridani 5.6	2	14 11,37	2,615	, 005	——	2	—24 13 52,31	,279	, 295	——
1150	64 Arietis g 5.6	5	14 34,66	3,521	, 021	+,001	5	+24 8 1,80	,254	, 395	— ,18
1151	65 Arietis 6	14	14 55,99	3,441	, 018	+,017	11	+20 12 44,80	,231	, 387	— ,08
1152	Camelop. 7.8	3	15 1,99	4,791	, 081	—,007	4	+59 41 28,38	,224	, 540	+2,05
1153	Fornacis 5.6	3	15 11,06	2,576	, 005	——	3	—26 10 54,44	,213	, 290	——
1154	Camelop. 4	6	15 46,26	4,773	, 080	+,013	10	+59 21 26,12	,174	, 539	+ ,05
1155	Persei 8	5	15 53,96	4,232	, 048	—,002	2	+49 0 57,32	,167	, 476	,00
1156	1 Tauri o 4.5	7	15 56,45	3,221	, 013	+,001	11	+ 8 26 35,26	,163	, 364	— ,11
1157	Horologii 7	3	16 13,58	1,935	, 010	——	3	—48 22 11,14	,145	, 219	——
1158	Persei 8.9	1	16 21,40	4,213	, 048	+,008	1	+48 28 42,28	,136	, 475	— ,16
1159	Eridani 7.8	2	16 30,41	2,251	, 010	——	2	—39 3 3,67	,126	, 255	——
1160	Camelop. 4.5	4	16 47,66	4,710	, 076	+,009	10	+58 17 54,95	,107	, 535	+ ,02
1161	Eridani 7.8	4	16 58,97	2,164	, 007	——	4	—41 51 16,09	,095	, 245	——
1162	148 Persei 6.7	4	17 4,70	4,248	, 048	+,021	4	+49 16 4,68	,089	, 479	— ,10
1163	Fornacis 6	3	17 7,39	2,405	, 004	——	3	—33 17 46,12	,085	, 274	——
1164	3 Camelop. 6.7	3	17 27,93	4,513	, 065	+,002	4	+54 52 24,69	,063	, 514	— ,04
1165	151 Persei 5.6	4	17 36,20	4,236	, 048	+,011	4	+48 55 48,69	,053	, 479	— ,11
1166	Tauri 7	5	17 38,75	3,404	, 017	+,005	5	+18 10 24,24	,051	, 385	— ,01
1167	Camelop. 8.9	5	17 40,30	4,511	, 065	+,005	4	+54 47 48,43	,049	, 514	,00
1168	152 Persei 7	4	18 0,08	3,737	, 027	+,010	4	+33 13 45,01	,027	, 424	— ,09
1169	Eridani 7	4	18 10,51	2,161	, 007	——	4	—41 49 2,14	,016	, 245	——
1170	2 Tauri ζ 4	16	18 14,21	3,235	, 012	+,013	10	+ 9 9 7,88	,012	, 368	— ,09

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1171	Persei	8.9	1	3 18 14,89	+4,178	+,00045	+,023	2	+47 23 59,67	13,010	—,00474	+0,05
1172	Eridani	7	3	18 22,95	2,473	, 004	——	3	—30 25 41,38	,001	, 282	——
1173	66 Arietis	6.7	5	18 48,76	3,488	, 018	+,008	5	+22 13 46,55	12,972	, 397	— ,20
1174	35 Persei	σ 5	9	18 58,94	4,182	, 045	+,004	10	+47 25 8,17	,961	, 476	+ ,07
1175	Eridani	8	3	19 22,50	2,247	, 006	——	3	—38 52 46,16	,934	, 257	——
1176	Fornacis	6	3	19 25,09	2,530	, 004	——	3	—27 54 5,38	,932	, 289	——
1177	———	χ^1 6.7	3	19 33,51	2,314	, 005	+,011	4	—36 30 10,08	,922	, 265	+ ,06
1178	13 Tauri	7.8	3	19 35,73	3,266	, 013	,000	4	+10 48 51,11	,919	, 374	— ,11
1179	Fornacis	7	2	19 36,86	2,313	, 005	——	2	—36 32 25,16	,918	, 265	——
1180	Horologii	ρ 6.7	2	19 42,62	1,778	, 011	——	2	—51 38 48,78	,912	, 204	——
1181	Persei	8	6	19 56,95	4,180	, 045	+,008	4	+47 17 27,71	,896	, 477	— ,05
1182	144 Eridani	7	3	20 17,89	2,141	, 007	+,006	4	—42 13 8,71	,873	, 246	+ ,16
1183	15 Tauri	7	10	20 24,37	3,369	, 015	+,007	8	+16 11 17,49	,865	, 385	— ,03
1184	16 ———	6.7	10	20 27,91	3,119	, 009	+,007	6	+ 2 40 22,01	,862	, 359	+ ,01
1185	Persei	—	8	20 30,92	4,189	, 045	+,004	7	+47 27 14,44	,859	, 479	+ ,02
1186	Eridani	8	5	20 34,21	2,174	, 006	——	5	—41 9 0,31	,856	, 250	——
1187	155 Persei	5.6	3	21 2,08	4,117	, 042	—,002	4	+45 29 26,25	,825	, 472	,00
1188	Fornacis	χ^2 7	3	21 9,92	2,317	, 005	+,011	1	—36 15 30,52	,816	, 266	+ ,06
1189	4 Tauri	S 6	5	21 23,95	3,267	, 013	+,010	5	+10 45 52,20	,800	, 377	— ,17
1190	Persei	8	4	21 41,76	4,191	, 045	+,022	4	+47 23 3,41	,779	, 481	,00
1191	5 Tauri	f 5.6	15	21 46,59	3,297	, 014	+,017	8	+12 21 57,27	,774	, 380	— ,05
1192	Fornacis	χ^3 7	3	21 49,66	2,310	, 005	+,002	7	—36 25 42,16	,770	, 266	+ ,01
1193	149 Eridani	7	10	22 3,25	2,059	, 008	+,005	8	—44 25 58,44	,756	, 237	+ ,05
1194	Tauri	9	3	22 18,22	3,511	, 019	+,012	3	+23 4 43,44	,739	, 404	— ,16
1195	Fornacis	6.7	3	22 23,31	2,368	, 005	——	3	—34 13 41,81	,733	, 273	——
1196	17 Eridani	4.5	17	22 26,17	2,969	, 006	+,005	10	— 5 38 45,06	,730	, 345	— ,02
1197	23 Tauri	8	4	23 39,94	3,368	, 015	+,016	4	+16 2 16,88	,646	, 390	— ,13
1198	6 ———	t 6.7	5	23 40,88	3,231	, 012	+,015	5	+ 8 48 37,54	,645	, 375	— ,09
1199	Eridani	z 5	8	24 20,88	2,137	, 007	+,002	7	—41 55 49,84	,600	, 248	— ,32
1200	7 Tauri	6	6	24 41,04	3,533	, 020	+,019	5	+23 54 17,61	,577	, 411	— ,09
1201	Eridani	8	3	24 43,69	2,177	, 006	——	3	—40 40 46,98	,573	, 252	——
1202	26 Tauri	6.7	3	24 44,98	3,395	, 016	+,010	4	+17 17 10,12	,572	, 394	— ,32
1203	Persei	7	3	24 45,35	3,708	, 025	+,013	4	+31 27 32,07	,572	, 432	— ,09
1204	37 ———	ψ 5	11	24 48,01	4,214	, 044	+,024	10	+47 38 11,45	,568	, 488	+ ,02
1205	Fornacis	7.8	3	24 54,28	2,365	, 005	——	3	—34 6 44,57	,562	, 275	——
1206	18 Eridani	ε 4	13	25 9,97	2,887	, 005	—,059	10	—10 1 17,50	,544	, 338	— ,04
1207	Horologii	6.7	3	25 19,82	1,914	, 009	——	3	—47 56 28,47	,533	, 223	——
1208	Tauri	9	4	25 52,32	3,418	, 016	+,016	5	+18 20 52,52	,496	, 399	— ,01
1209	19 Eridani	τ^2 4	12	26 30,18	2,644	, 003	+,005	8	—22 11 27,32	,453	, 310	— ,07
1210	Tauri	9	4	26 48,60	3,370	, 015	—,005	4	+15 55 33,17	,430	, 395	— ,35
1211	Tauri	8	5	26 52,94	3,443	, 017	+,011	4	+19 30 57,96	,426	, 403	— ,11
1212	Persei	8	4	26 54,48	3,691	, 024	+,009	3	+30 34 24,00	,425	, 432	— ,01
1213	9 Tauri	6	5	27 16,63	3,510	, 019	——	6	+22 39 32,84	,398	, 410	——
1214	Persei	7	7	27 17,41	3,692	, 024	—,003	8	+30 34 3,60	,398	, 432	— ,02
1215	Horologii	6	3	27 40,35	1,774	, 010	——	3	—50 56 28,69	,372	, 208	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1216	Eridani 8	10	3 27 41,87	+2,231	+,00005	——	10	—38 35 28,19	12,371	—,00263	——
1217	71 Messoris 6	4	27 54,06	5,109	, 093	—,003	4	+62 40 22,48	,356	, 590	+ ,13
1218	Fornacis 6	3	27 56,80	2,402	, 004	——	3	—32 25 50,45	,352	, 282	——
1219	17 Psalt. Georg. 7	3	28 19,61	3,072	, 008	+,002	4	+ 0 2 38,63	,327	, 364	— ,13
1220	10 Tauri E 5	11	28 27,59	3,069	, 008	—,012	13	— 0 7 34,59	,318	, 364	— ,51
1221	30 Tauri 7	3	28 32,85	3,351	, 014	+,008	4	+14 52 57,54	,311	, 394	— ,09
1222	20 Eridani F 6	9	28 46,60	2,727	, 003	+,006	10	—18 1 4,22	,296	, 322	— ,13
1223	4 Camelop. 6	3	29 10,42	4,862	, 076	—,004	4	+59 25 43,79	,269	, 574	— ,07
1224	Tauri 7	5	30 6,39	3,375	, 015	+,012	5	+15 59 39,01	,204	, 399	— ,09
1225	167 Eridani 7	3	30 13,25	2,036	, 007	—,006	4	—44 16 1,39	,196	, 241	— ,07
1226	Fornacis 6	5	30 23,86	2,346	, 004	——	5	—34 19 43,72	,183	, 278	——
1227	——— 6.7	3	30 25,09	2,448	, 004	——	3	—30 22 33,57	,182	, 290	——
1228	164 Persei 7	3	30 25,41	3,872	, 030	+,027	4	+37 2 26,15	,182	, 458	— ,03
1229	73 Messoris 6.7	3	30 29,34	5,535	, 121	+,033	4	+66 40 25,37	,177	, 642	— ,08
1230	Eridani 6.7	3	30 49,24	2,274	, 005	——	3	—36 50 21,54	,153	, 270	——
1231	Reticuli 8	7	30 51,82	2,343	, 004	——	6	—34 24 22,07	,150	, 278	——
1232	21 Eridani 6	6	30 52,76	2,956	, 006	+,008	5	— 6 9 36,44	,149	, 354	— ,28
1233	11 Tauri 6	5	30 55,88	3,562	, 020	+,007	5	+24 47 22,96	,146	, 422	— ,04
1234	Eridani y 5	6	31 10,55	2,151	, 005	—,003	10	—40 49 11,72	,130	, 255	— ,02
1235	39 Persei δ 3.4	12	31 12,57	4,223	, 043	+,009	22	+47 15 8,17	,128	, 499	— ,04
1236	12 Tauri 6	4	31 16,11	3,118	, 009	+,004	5	+ 2 30 54,45	,123	, 372	— ,06
1237	Messoris f 6.7	3	31 40,53	5,148	, 092	—,005	4	+62 48 51,71	,094	, 600	— ,09
1238	Persei o 6	3	31 56,03	3,776	, 026	+,003	4	+33 25 45,11	,075	, 449	+ ,01
1239	Fornacis r 6	5	31 56,08	2,492	, 004	,000	5	—28 29 11,19	,075	, 297	— ,02
1240	——— 9	2	32 13,26	2,489	, 004	+,023	4	—28 33 41,97	,056	, 297	— ,06
1241	22 Eridani 5.6	5	32 28,59	2,963	, 006	+,009	5	— 5 44 55,70	,038	, 355	— ,03
1242	Tauri 8	5	32 34,61	3,509	, 018	+,018	4	+22 15 17,84	,031	, 417	— ,08
1243	Reticuli 9	3	32 37,96	2,336	, 004	——	3	—34 30 24,06	,026	, 279	——
1244	13 Tauri F¹ 6.7	4	32 48,61	3,444	, 017	+,006	4	+19 9 57,96	,014	, 411	— ,05
1245	Messoris m 6	2	33 3,07	6,151	, 160	—,035	4	+70 48 45,81	11,998	, 720	— ,05
1246	Tauri 8	4	33 16,26	3,394	, 015	—,004	4	+16 45 30,52	,983	, 406	— ,01
1247	Persei 8	5	33 43,89	4,228	, 043	+,004	3	+47 7 58,91	,949	, 504	— ,06
1248	184 Eridani 7	4	33 51,64	2,141	, 005	+,001	4	—40 53 25,66	,941	, 256	,00
1249	Persei 4	5	33 59,26	3,737	, 025	—,004	10	+31 45 32,42	,932	, 448	— ,04
1250	41 ——— ν 4.5	12	34 0,66	4,040	, 036	+,016	9	+42 3 1,11	,931	, 483	— ,04
1251	Tauri 8	4	34 3,32	3,466	, 017	+,014	4	+20 11 14,49	,928	, 415	— ,10
1252	14 ——— F² 7	3	34 15,54	3,444	, 017	+,025	5	+19 8 14,94	,914	, 413	— ,10
1253	Reticuli 7	7	34 22,97	2,388	, 004	——	7	—32 24 12,93	,904	, 286	——
1254	Messoris l 5.6	3	34 29,39	5,380	, 104	—,002	4	+65 0 22,44	,897	, 633	+ ,07
1255	Tauri 7	3	34 52,85	3,472	, 017	,000	4	+20 21 3,88	,868	, 417	— ,08
1256	Reticuli 7.8	2	34 53,34	1,180	, 015	——	2	—60 19 0,11	,868	, 145	——
1257	16 Pleiadum g 5.6	4	35 0,54	3,546	, 019	+,014	3	+23 45 50,50	,860	, 426	— ,12
1258	17 ——— b 4.5	9	35 5,48	3,542	, 019	+,009	11	+23 35 18,34	,854	, 426	— ,15
1259	Persei 9	4	35 6,17	4,231	, 042	+,018	4	+47 4 51,11	,853	, 506	+ ,13
1260	190 Eridani 7	2	35 18,90	2,123	, 005	+,001	4	—41 18 4,36	,838	, 256	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1261	Horologii 6.7	3	3 35 19,14	+1,615	+,00012	——	3	—53 26 48,68	11,838	—,00193	——
1262	18 Pleiadum *m* 7	5	35 19,90	3,559	, 019	+,013	7	+24 18 54,27	,837	, 427	— ,09
1263	23 Eridani *δ* 3.4	5	35 21,02	2,874	, 005	—,003	10	—10 19 40,39	,836	, 348	+ ,00
1264	19 Pleiadum *e* 5	7	35 24,11	3,551	, 019	+,006	9	+23 56 36,81	,832	, 427	+ ,11
1265	——— 8	3	35 39,32	3,522	, 019	+,005	4	+22 40 56,33	,814	, 424	— ,05
1266	Eridani 6	5	35 41,34	2,861	, 005	+,006	5	—11 0 47,79	,812	, 346	— ,06
1267	Fornacis *δ* 5	8	35 41,46	2,383	, 004	—,008	13	—32 28 9,25	,812	, 287	— ,03
1268	Pleiadum 8	3	35 49,76	3,548	, 019	+,014	3	+23 48 47,55	,801	, 428	+ ,06
1269	20 ——— *c* 5	4	36 1,22	3,549	, 019	+,009	5	+23 50 44,68	,789	, 428	— ,12
1270	——— *n* 7	3	36 5,17	3,522	, 019	+,019	4	+22 37 31,14	,784	, 426	— ,15
1271	Pleiadum *k* 6.7	3	36 5,76	3,553	, 019	+,022	8	+24 1 58,39	,783	, 428	— ,03
1272	Psalt. Georg. *h* 6.7	3	36 7,86	3,039	, 007	,000	4	— 1 41 19,89	,781	, 368	— ,01
1273	Pleiadum *l* 6.7	3	36 13,98	3,553	, 019	+,009	1	+24 0 24,55	,774	, 428	— ,06
1274	27 Psalt. Georg. 6.7	8	36 30,61	3,056	, 008	+,001	7	— 0 49 15,21	,755	, 370	+ ,05
1275	23 Pleiadum *d* 5	5	36 32,68	3,541	, 019	+,006	7	+23 25 41,67	,751[3]	, 426	— ,24
1276	Eridani *h* 5	5	36 43,42	2,229	, 004	+,024	5	—37 50 17,13	,738	, 268	— ,01
1277	Horologii 7	3	36 52,33	1,929	, 008	——	3	—46 29 14.05	,728	, 235	——
1278	29 Tauri *u*¹ 6	5	36 54,97	3,176	, 010	+,015	5	+ 5 31 41,01	,725	, 385	+ ,01
1279	74 ——— 7	2	37 10,51	3,554	, 018	+,027	2	+24 0 6,95	,708	, 429	— ,09
1280	12 Pleiadum 7	11	37 33,27	3,546	, 018	+,010	5	+23 35 58,51	,679	, 429	— ,07
1281	Pleiadum 7	3	37 41,04	3,550	, 018	+,007	4	+23 46 19,50	,670	, 429	— ,10
1282	25 Tauri *η* 3	6	37 41,34	3,546	, 018	+,007	10	+23 35 21,10	,670	, 429	— ,03
1283	Camelop. 7.8	4	38 14,28	4,946	, 074	+,011	2	+59 49 32,65	,632	, 600	+ ,02
1284	Eridani 6	3	38 16,15	2,118	, 004	——	3	—41 10 45,39	,630	, 257	——
1285	26 ——— *π* 5	6	38 20,81	2,827	, 005	+,005	5	—12 37 26,50	,624	, 342	+ ,02
1286	Tauri 7	5	38 35,40	3,532	, 018	——	5	+22 54 28,35	,606	, 429	——
1287	105 ——— 7	5	38 41,18	3,553	, 018	,000	3	+23 49 57,15	,599	, 431	— ,10
1288	Eridani 7	3	38 46,94	2,176	, 004	——	3	—39 20 31,05	,592	, 265	——
1289	Persei *n* 6	3	39 8,03	3,771	, 024	+,005	4	+32 34 42,34	,568	, 462	— ,05
1290	Pleiadum *s* 7	7	39 9,44	3,543	, 018	+,008	1	+23 20 48,14	,566	, 431	— ,04
1291	30 Tauri *e* 6	5	39 13,97	3,276	, 012	+,022	5	+10 37 47,60	,560	, 402	— ,08
1292	Fornacis 7.8	4	39 16,13	2,362	, 004	——	5	—32 59 58,40	,558	, 287	——
1293	27 Pleiadum *f* 5	10	39 21,78	3,547	, 018	+,007	9	+23 32 33,84	,551	, 432	— ,08
1294	28 ——— *h* 5.6	5	39 22,93	3,549	, 018	+,013	5	+23 37 35,52	,550	, 432	— ,05
1295	118 Tauri 7	5	39 25,05	3,544	, 018	+,009	4	+23 22 34,52	,547	, 430	— ,09
1296	Tauri —	6	39 32,79	3,247	, 011	+,014	9	+ 9 7 54,74	,537	, 397	— ,07
1297	Fornacis *σ* 6	6	39 44,15	2,443	, 004	+,003	6	—29 51 17,46	,524	, 297	+ ,06
1298	27 Eridani *m*¹ 5.6	12	39 45,10	2,590	, 003	—,004	8	—23 44 29,97	,523	, 315	— ,53
1299	Horologii 6.7	8	39 47,55	1,830	, 009	——	6	—48 34 37,52	,520	, 222	——
1300	Eridani 7	6	39 51,15	2,181	, 004	——	7	—39 6 2,10	,515	, 264	——
1301	Pleiadum 7.8	4	39 56,80	3,540	, 018	+,013	3	+23 12 10,98	,508	, 431	— ,01
1302	Horologii 6.7	5	40 5,84	1,506	, 012	——	7	—55 0 10,99	,499	, 180	——
1303	131 Tauri 7	5	40 7,31	3,555	, 018	—,003		+23 50 ——	,497	, 434	——
1304	Horologii 6	3	40 8,72	1,859	, 009	——	3	—47 52 38,38	,495	, 227	——
1305	132 Tauri 7	1	40 10,65	3,544	, 018	+,007	3	+23 20 29,26	,492	, 431	+ ,01

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1306	Tauri	7	5	3 40 13,82	+3,508	+,00017	+,008	5	+21 44 9,01	11,488	—,00429	—, 10
1307	Horologii π	6	3	40 22,13	1,516	, 012	——	3	—54 47 45,99	,479	, 182	——
1308	Pleiadum	6.7	5	40 24,85	3,584	, 019	+,024	5	+25 4 30,08	,475	, 436	— ,15
1309	Horologii		—	40 ——	1,819	, 009	——	3	—48 45 50,80	,472	, 222	——
1310	28 Eridani m²	5	13	40 34,23	2,574	, 003	—,005	5	—24 23 26,44	,464	, 316	— ,04
1311	138 Tauri	7.8	3	40 37,88	3,559	, 018	—,013	7	+23 59 18,19	,460	, 484	— ,09
1312	Fornacis	7	9	40 39,56	2,438	, 004	+,002	7	—29 58 48,01	,457	, 298	— ,07
1313	Persei	8	5	40 45,56	4,405	, 047	+,015	5	+50 32 49,01	,450	, 539	+ ,06
1314	140 Tauri	7	3	41 4,28	3,548	, 018	+,001	4	+23 27 23,59	,428	, 532	— ,03
1315	Fornacis ρ	6	3	41 16,07	2,419	, 004	—,005	4	—30 40 8,21	,414	, 295	— ,29
1316	Pleiadum	8	7	41 32,92	3,576	, 019	+,011	4	+24 39 28,56	,394	, 468	,00
1317	206 Eridani	7	8	41 37,46	2,253	, 004	+,003	4	—36 37 3,88	,389	, 274	— ,10
1318	Reticuli β	4	4	42 9,16	0,670	, 026	——	5	—65 19 36,76	,350	, 089	——
1319	Eridani	8	4	42 10,73	2,963	, 006	+,016	3	— 5 34 54,50	,348	, 364	— ,07
1320	Pleiadum	7.8	4	42 20,37	3,578	, 019	+,027	4	+24 40 5,74	,337	, 439	— ,07
1321	Eridani f¹	5	11	42 30,72	2,205	, 004	+,014	14	—38 7 48,28	,324	, 271	— ,01
1322	——— f²	8	9	42 30,84	2,205	, 004	+,012	6	—38 7 38,93	,324	, 271	,00
1323	Rangiferis n	6	2	42 49,01	9,484	, 509	,000	8	+80 13 35,91	,302	,01152	+ ,07
1324	Camelop H	5.6	6	42 55,62	5,202	, 081	—,002	4	+62 34 44,20	,294	,00633	+ ,05
1325	7 ———	5.6	3	43 7,05	5,035	, 075	—,007	4	+60 36 57,79	,280	, 611	+ ,05
1326	31 Tauri u²	6	5	43 12,79	3,188	, 010	+,014	5	+ 6 2 1,89	,273	, 393	,00
1327	Eridani g	5	5	43 16,67	2,247	, 004	—,018	10	—36 42 14,19	,268	, 274	— ,10
1328	Tauri	7	5	43 44,51	3,406	, 015	+,026	11	+16 49 46,38	,235	, 420	— ,07
1329	Fornacis	7.8	6	43 45,41	2,335	, 004	——	5	—33 37 1,64	,234	, 286	——
1330	44 Persei ζ	3.4	21	43 46,60	3,747	, 023	+,010	17	+31 23 12,45	,233	, 458	— ,03
1331	185 Persei	6	4	44 6,81	4,276	, 041	+,003	4	+47 22 45,04	,208	, 523	— ,03
1332	Eridani	7	4	44 14,79	2,028	, 006	——	4	—43 13 50,96	,198	, 252	——
1333	210 ———	7	4	44 20,82	2,963	, 006	+,003	4	— 5 33 15,96	,191	, 366	— ,02
1334	Persei A	var	3	44 22,37	4,404	, 045	+,011	4	+50 12 33,39	,189	, 545	— ,13
1335	30 Eridani	6	5	44 33,04	2,957	, 006	+,013	5	— 5 51 32,78	,174	, 366	— ,06
1336	213 Eridani	7.8	4	44 48,22	2,156	, 004	+,009	4	—39 29 7,00	,157	, 268	+ ,09
1337	Tauri	9	4	45 12,69	3,408	, 015	+,015	2	+16 51 0,22	,129	, 423	— ,08
1338	188 Persei	6.7	4	45 51,82	3,839	, 026	—,006	4	+34 35 29,38	,080	, 478	+ ,05
1339	32 Eridani	5	5	46 0,69	3,004	, 007	+,006	10	— 3 26 53,29	,069	, 376	— ,06
1340	Horologii	7	3	46 39,38	1,887	, 008	——	3	—46 39 34,62	,022	, 233	——
1341	33 Eridani l	5.6	5	46 41,91	2,548	, 003	+,020	5	—25 6 18,48	,019	, 317	— ,02
1342	45 Persei ι	3.4	17	46 48,15	3,993	, 030	+,006	15	+39 31 32,61	,011	, 499	— ,05
1343	Eridani	8.9	3	46 59,43	2,964	, 006	—,001	5	— 5 28 2,23	10,998	, 377	— ,03
1344	32 Tauri	6	5	47 7,97	3,523	, 017	+,019	5	+21 59 53,22	,988	, 438	+ ,04
1345	33 ———	6.7	5	47 17,50	3,539	, 017	+,023	5	+22 41 24,12	,977	, 440	— ,04
1346	Eridani i	5	9	47 21,72	2,281	, 003	—,005	10	—35 13 27,18	,971	, 284	— ,02
1347	Horologii ν	6.7	3	47 28,80	2,471	, 003	——	3	—28 9 46,04	,962	, 309	——
1348	Eridani	6.7	3	47 44,64	2,072	, 004	——	3	—41 43 2,22	,943	, 257	——
1349	157 Tauri	6.7	4	48 15,46	8,180	, 010	+,010	4	+ 5 33 29,96	,906	, 400	— ,10
1350	46 Persei ξ	5	10	48 16,71	3,866	, 025	+,015	10	+35 18 34,70	,904	, 481	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1351	Horologii 6	3	3 48 27,00	+1,850	+,00007	——	3	—47 22 55,80	10,892	—,00231	——
1352	227 Eridani 6.7	4	48 36,70	2,100	, 004	—,001	4	—40 50 44,73	,879	, 263	+0,14
1353	226 ——— 6.7	4	48 46,74	2,789	, 004	+,004	4	—14 4 57,49	,867	, 355	— ,07
1354	Persei 8	1	49 6,71	4,000	, 029	+,008	4	+39 32 8,97	,843	, 502	— ,02
1355	Eridani l^1 6.7	4	49 20,19	2,151	, 003	—,004	4	—39 14 42,28	,827	, 271	— ,02
1356	Horologii 6	3	49 29,34	1,868	, 007	——	3	—46 54 11,22	,816	, 233	——
1357	Hydri γ 3	5	49 53,74	—1,063	, 101	——	3	—74 44 43,69	,785	+, 127	——
1358	Persei 8	4	50 11,12	+4,005	, 029	+,007	5	+39 37 22,00	,765	—, 504	— ,09
1359	Horologii 6	3	50 14,45	1,564	, 011	——	3	—53 10 25,59	,761	, 194	——
1360	34 Eridani γ^1 23	19	50 20,10	2,790	, 004	+,010	17	—13 58 58,46	,754	, 352	— ,14
1361	Eridani L^2 7	2	50 35,39	2,142	, 003	+,020	4	—39 26 39,81	,734	, 271	— ,09
1362	9 Camelop. 6	3	50 45,00	4,928	, 065	—,001	4	+58 41 16,27	,722	, 618	,00
1363	Tauri 8.9	3	51 1,79	3,481	, 016	+,012	2	+19 54 39,42	,702	, 438	+ ,11
1364	——— 8.9	5	51 4,43	3,482	, 016	+,017	6	+19 56 26,23	,699	, 438	+ ,07
1365	Horologii 7	5	51 9,42	1,803	, 008	——	5	—48 14 57,11	,693	, 227	——
1366	161 Tauri 7	6	51 9,55	3,545	, 017	+,017	8	+22 43 48,52	,693	, 446	— ,06
1367	——— G 6.7	3	51 12,01	3,413	, 015	+,011	4	+16 49 29,36	,690	, 431	,00
1368	——— 6.7	5	51 18,92	3,432	, 015	+,011	10	+17 43 21,99	,680	, 433	— ,04
1369	34 ——— 7	5	51 30,93	3,477	, 016	+,031	5	+19 43 50,64	,666	, 438	— ,04
1370	35 ——— λ 4	15	51 32,83	3,312	, 013	+,002	17	+12 1 6,18	,663	, 418	— ,11
1371	Tauri 8.9	4	52 31,94	3,529	, 017	+,007	3	+21 57 23,48	,591	, 444	— ,06
1372	167 ——— 7	3	52 46,49	3,262	, 012	+,011	4	+ 9 31 44,81	,574	, 414	— ,03
1373	36 Eridani k 5	5	52 53,68	2,553	, 003	+,009	9	—24 29 19,43	,562	, 324	— ,06
1374	35 ——— 5	7	53 10,76	3,031	, 007	,000	10	— 2 1 4,47	,542	, 385	— ,07
1375	Doradus 6.7	3	53 32,02	1,710	, 009	——	3	—50 5 4,51	,516	, 218	——
1376	Eridani 8.9	3	53 55,85	3,029	, 007	+,011	5	— 2 5 51,12	,486	, 386	— ,19
1377	Horologii 9	4	53 56,98	1,955	, 006	+,014	4	—44 23 16,61	,484	, 247	+ ,08
1378	Fornacis α 6.7	4	54 5,89	2,387	, 003	+,006	4	—30 57 34,04	,473	, 303	— ,04
1379	Psalt. Georg. k 6.7	3	54 9,70	3,057	, 008	+,010	4	— 0 43 19,91	,468	, 389	— ,27
1380	194 Persei 7	4	54 11,61	4,272	, 038	+,006	4	+46 28 7,44	,467	, 542	— ,06
1381	Persei λ 5.6	4	54 19,08	4,426	, 043	+,002	4	+49 53 42,66	,457	, 559	— ,02
1382	Reticuli 9	3	54 19,20	1,298	, 014	——	3	—57 14 24,75	,457	, 162	——
1383	38 Tauri ν 5	6	54 23,17	3,181	, 010	+,004	10	+ 5 31 33,80	,452	, 406	— ,06
1384	36 ——— 6.7	5	54 30,11	3,571	, 018	+,006	4	+23 38 43,82	,443	, 453	— ,02
1385	Eridani 8	5	54 32,18	2,133	, 003	——	5	—39 24 34,13	,440	, 273	——
1386	Eridani 8	4	54 42,77	3,123	, 009	+,007	4	+ 2 36 51,47	,427	, 398	,00
1387	——— 8	4	54 44,62	3,125	, 009	+,009	4	+ 2 43 29,31	,424	, 398	— ,05
1388	Reticuli 9	8	54 52,96	1,288	, 014	——	8	—57 21 6,72	,414	, 161	——
1389	37 Tauri A^1 5	18	54 57,07	3,524	, 017	+,015	16	+21 37 29,70	,409	, 448	— ,01
1390	172 ——— 6	4	55 0,36	3,170	, 010	+,017	4	+ 4 58 27,83	,406	, 404	— ,07
1391	171 Tauri 7	6	55 1,18	3,226	, 011	+,019	4	+ 7 44 5,55	,405	, 412	— ,02
1392	Reticuli 6	3	55 11,92	1,271	, 014	——	3	—57 34 18,65	,391	, 160	——
1393	175 Tauri 6.7	4	55 32,69	3,118	, 009	+,018	4	+ 2 22 22,76	,365	, 397	— ,11
1394	39 ——— A^2 6.7	5	55 34,93	3,523	, 017	+,025	7	+21 33 27,10	,362	, 448	— ,15
1395	——— 8.9	3	55 36,39	3,524	, 017	+,023	4	+21 36 10,12	,361	, 448	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d²	Annual P. M.
			h. m. s.	s	s	s		° ″ ″	″ +	″	″
1396	Eridani 8.9	4	3 55 40,18	+2,436	+,00003	+,011	5	—28 59 32,04	10,356	—,00311	—0,13
1397	Horologii 7.8	2	55 48,91	1,929	, 006	——	2	—44 54 44,48	,345	, 245	——
1398	Reticuli 6.7	3	55 59,24	1,309	, 014	——	3	—56 56 32,47	,332	, 164	——
1399	——— δ 5	8	56 9,38	0,927	, 020	——	13	—61 52 6,08	,320	, 120	——
1400	41 Tauri 6	5	56 29,97	3,659	, 018	+,007	9	+27 8 54,42	,294	, 465	— ,09
1401	Persei 9	2	56 31,93	4,427	, 041	+,019	1	+49 45 0,16	,292	, 564	— ,07
1402	——— 7.8	4	56 35,82	3,956	, 025	+,022	4	+37 37 57,20	,286	, 504	— ,25
1403	Tauri 7.8	9	56 37,60	3,658	, 018	—,006	5	+27 4 8,63	,284	, 465	+ ,01
1404	Horologii 7	5	56 39,77	2,146	, 003	——	5	—38 50 48,75	,281	, 274	——
1405	48 Persei c 5	6	56 42,80	4,314	, 037	+,021	10	+47 15 50,00	,277	, 551	— ,01
1406	42 Tauri ψ 5.6	5	56 49,26	3,696	, 019	+,003	5	+28 32 53,73	,270	, 470	— ,11
1407	Doradus 7.8	3	56 53,25	1,443	, 012	——	3	—54 47 15,63	,265	, 182	——
1408	——— 7	3	57 1,36	1,439	, 012	——	3	—54 51 19,19	,255	, 182	——
1409	Tauri 9	3	57 5,07	3,658	, 018	+,014	9	+27 3 39,60	,250	, 466	— ,09
1410	Doradus 7.8	3	57 5,81	1,438	, 012	——	3	—54 52 8,24	,248	, 182	——
1411	199 Persei 6.7	4	57 22,24	3,947	, 025	+,005	4	+37 17 11,61	,228	, 505	— ,34
1412	Doradus 7	2	57 22,93	1,652	, 010	——	2	—50 58 12,76	,227	, 211	——
1413	Horologii 7	3	57 29,94	1,930	, 005	——	3	—44 45 24,85	,218	, 246	——
1414	200 Persei 6	4	57 38,02	3,957	, 025	+,017	4	+37 36 1,15	,209	, 506	— ,25
1415	Horologii 7	4	57 41,26	1,926	, 005	——	4	—44 50 46,88	,205	, 246	——
1416	Horologii 7	4	58 29,94	1,910	, 005	——	4	—45 11 20,02	,143	, 246	——
1417	Reticuli γ 5	12	58 31,97	0,844	, 021	——	14	—62 37 15,42	,140	, 111	——
1418	Tauri 6	6	58 33,03	3,421	, 014	+,009	5	+16 53 32,15	,139	, 438	— ,07
1419	Reticuli 6.7	3	58 39,28	0,941	, 019	——	3	—61 32 32,19	,131	, 123	——
1420	Eridani A 6	6	58 49,58	2,455	, 003	+,019	5	—28 6 29,83	,118	, 316	+ ,07
1421	Tauri 8.9	3	59 23,37	3,421	, 014	+,019	4	+16 50 52,82	,076	, 438	— ,13
1422	Horologii 7.8	3	59 32,49	1,910	, 006	——	3	—45 7 11,64	,064	, 246	——
1423	43 Tauri ω¹ 6	5	59 33,98	3,473	, 015	+,017	5	+19 9 58,56	,062	, 446	— ,22
1424	183 ——— 6.7	4	59 41,68	3,268	, 011	+,011	4	+ 9 39 23,04	,052	, 419	— ,07
1425	Reticuli 7.8	9	59 46,99	0,911	, 020	——	9	—61 49 0,54	,046	, 120	——
1426	Tauri 6.7	6	59 49,41	3,337	, 012	+,018	4	+12 57 20,01	,043	, 430	— ,02
1427	201 Persei 6.7	3	4 0 24,62	3,828	, 022	+,009	4	+33 8 50,99	9,998	, 491	— ,11
1428	Tauri 7	4	0 37,94	3,199	, 009	+,008	4	+ 6 17 9,91	,981	, 412	— ,06
1429	44 ——— P 6.7	6	0 47,96	3,638	, 018	+,015	5	+26 2 36,06	,969	, 468	— ,02
1430	Horologii 8	6	0 59,90	1,995	, 004	——	6	—42 48 41,73	,953	, 257	——
1431	Reticuli 8	3	1 7,48	1,107	, 016	——	3	—59 24 20,87	,944	, 143	——
1432	Camelop. 8.9	4	1 24,61	4,676	, 050	—,006	4	+54 5 31,92	,922	, 607	— ,02
1433	——— 8	4	1 33,80	4,459	, 041	+,021	4	+50 2 45,33	,910	, 575	— ,05
434	Psalt. Georg. 7	3	1 34,96	2,989	, 006	+,006	4	— 4 0 47,84	,909	, 388	— ,06
1435	190 Tauri 7	3	1 39,20	3,409	, 013	+,009	4	+16 12 35,20	,903	, 439	— ,05
1436	Eridani 9.10	4	1 57,21	2,621	, 003	+,016	4	—21 8 36,78	,881	, 340	— ,08
1437	Horologii 6.7	3	1 59,45	1,972	, 004	——	3	—43 21 36,88	,878	, 253	——
1438	——— 6.7	5	2 12,64	1,680	, 009	——	5	—50 4 22,77	,860	, 219	——
1439	37 Eridani 5.6	9	2 19,94	2,920	, 005	+,005	15	— 7 21 37,89	,852	, 379	— ,06
1440	14 Camelop. 6.7	3	2 23,63	5,211	, 071	—,016	4	+61 25 30,07	,847	, 665	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1441	45 Tauri 6	5	4 2 33,74	+3,175	+,00009	+,201	5	+ 5 5 14,94	9,834	—,00412	—0,01
1442	——— 8	4	2 35,46	3,109	, 008	+,006	4	+ 1 53 2,26	,833	, 404	— ,02
1443	Horologii 7	4	2 45,98	1,972	, 003	——	4	—43 17 42,20	,819	, 255	——
1444	51 Persei μ 4.5	15	2 48,49	4,365	, 038	+,002	15	+47 58 53,11	,817	, 166	— ,04
1445	Tauri 7	6	3 4,97	3,542	, 016	+,007	5	+21 58 57,42	,795	, 458	— ,05
1446	Reticuli 8	3	3 20,14	1,023	, 016	——	3	—60 19 10,29	,776	, 138	——
1447	Horologii 6	3	3 28,07	1,849	, 005	——	3	—46 18 15,08	,766	, 240	——
1448	Persei f 5	3	3 40,68	4,053	, 027	+,003	4	+40 3 28,27	,748	, 527	— ,09
1459	Tauri 8.9	4	3 42,53	3,293	, 011	+,018	4	+10 44 35,21	,745	, 427	+ ,02
1450	38 Eridani o 4.5	18	3 48,98	2,922	, 006	+,011	10	— 7 16 23,85	,738	, 383	+ ,06
1451	16 Camelop. 6.7	3	3 52,52	4,633	, 047	—,007	4	+53 11 18,13	,733	, 605	— ,08
1452	Horologii 7.8	5	4 32,64	2,003	, 003	——	5	—42 21 32,08	,682	, 261	——
1453	195 Tauri 7	3	4 33,04	3,273	, 011	+,013	4	+89 47 9,14	,682	, 426	— ,10
1454	196 ——— var.	3	4 34,51	3,245	, 010	+,009	4	+ 8 27 50,82	,679	, 422	— ,06
1455	Eridani 9.10	2	4 38,04	2,922	, 005	+.024	4	— 7 15 41,37	,676	, 383	+ ,06
1456	Eridani 6.7	3	4 38,06	2,229	, 002	——	3	—35 42 16,39	,676	, 290	——
1457	46 Tauri 6	5	4 40,51	3,221	, 010	+,011	5	+ 7 17 18,40	,672	, 419	— ,05
1458	Cæli Sculp. 7	4	4 50,66	2,053	, 003	——	4	—40 58 5,29	,659	, 267	——
1459	Tauri 8	3	4 56,58	3,290	, 011	+,010	4	+10 36 4,27	,652	, 428	— ,09
1460	47 ——— 5.6	5	4 58,52	3,253	, 010	+,009	5	+ 8 50 20,49	,649	, 424	— ,11
1461	17 Camelop. 6	3	5 13,04	5,556	, 084	—,016	4	+64 42 37,38	,631	, 720	+ ,03
1462	Horologii δ 6	3	5 17,27	1,999	, 003	+,028	4	—42 25 40,25	,627	, 260	+ ,03
1463	201 Tauri 6.7	3	5 35,72	3,269	, 010	+,022	4	+ 9 35 18,18	,601	, 426	— ,10
1464	Persei b 5	8	5 51,87	4,465	, 040	+,013	10	+49 52 50,86	,581	, 583	— ,06
1465	48 Tauri 6	6	6 24,70	3,386	, 013	+,017	5	+14 58 53,78	,540	, 441	— ,14
1466	39 Eridani A 5	5	6 32,99	2,849	, 005	+,003	10	—10 40 16,32	,528	, 372	— ,20
1467	49 Tauri μ 5	6	6 34,82	3,246	, 010	+,005	8	+ 8 28 22,65	,525	, 424	— ,20
1468	——— 8	5	6 39,41	3,190	, 009	—,001	4	+ 5 47 1,07	,520	, 418	— ,30
1469	205 ——— 7	2	6 42,36	3,190	, 009	+,002	4	+ 5 46 18,14	,517	, 418	— ,18
1470	62 Horologii 7	3	7 17,03	1,901	, 005	+,013	4	—44 47 42,05	,472	, 248	— ,25
1471	Tauri 9	4	7 26,76	3,211	, 009	+,009	5	+ 6 44 39,96	,460	, 421	— ,14
1472	18 Camelop. 6.7	2	7 29,50	5,141	, 062	+,031	4	+60 20 0,49	,456	, 640	— ,04
1473	Eridani 7	2	7 30,96	2,375	, 003	——	2	—30 32 4,36	,455	, 312	——
1474	50 Tauri ω² 5.6	5	7 36,13	3,504	, 014	+,007	10	+20 9 57,16	,447	, 457	— ,11
1475	40 Eridani d 5	6	7 40,78	2,907	, 005	—,141	10	— 7 54 51,61	,441	, 375	—3,50
1476	Cæli Sculp. 6	3	7 56,66	2,053	, 003	——	3	—40 46 47,54	,421	, 269	——
1477	——— 6.7	3	7 59,51	2,167	, 002	——	3	—37 27 1,40	,417	, 284	——
1478	Horologii α 5	8	8 32,45	1,980	, 003	+,016	10	—42 42 15,87	,375	, 259	—0,17
1479	51 Tauri 7	5	8 38,04	3,529	, 014	+,023	5	+21 10 7,77	,368	, 461	— ,11
1480	212 Persei 6.7	4	8 51,58	4,114	, 027	000	4	+41 24 4,56	,350	, 542	— ,01
1481	Horologii 7	3	9 6,02	1,822	, 005	——	3	—46 32 48,10	,332	, 238	——
1482	Persei d 6	3	9 38,46	4,303	, 033	000	4	+46 5 45,78	,290	, 568	— ,03
1483	214 ——— 6	4	9 42,72	3,876	, 021	+,009	4	+34 9 38,49	,283	, 509	— ,08
1484	53 Tauri 6.7	5	9 43,11	3,520	, 014	+,014	5	+20 44 11,32	,283	, 463	— ,05
1485	56 ——— 6.7	5	9 51,36	3,535	, 015	+,016	6	+21 22 5,33	,273	, 465	— ,07

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1486	52 Tauri	φ 6	5	4 10 13,11	+3,674	+,00017	—,004	5	+26 56 56,20	9,245	—,00482	—0,08
1487	54 ———	γ 3.4	17	10 24,72	3,394	,012	+,018	19	+15 13 22,44	,229	,443	—,02
1488	211 ———	7	4	10 28,68	3,414	,013	+,006	4	+16 7 5,22	,224	,448	—,11
1489	Doradus	7	2	10 29,94	1,138	,015	——	2	—58 26 28,12	,223	,149	——
1490	57 Tauri	h¹ 6	5	10 40,77	3,359	,012	+,014	5	+13 37 50,31	,209	,441	—,19
1491	Horologii	ν 7	3	10 42,60	2,099	,002	——	3	—39 17 35,00	,207	,278	——
1492	58 Tauri	h² 6	5	11 15,45	3,383	,012	+,027	7	+14 41 37,60	,164	,446	—,08
1493	Cæli Sculp.	8	3	11 28,17	2,099	,002	——	3	—39 15 9,46	,148	,278	——
1494	Tauri	6.7	5	11 36,35	3,356	,012	+,016	5	+13 27 48,79	,137	,442	—,11
1495	41 Eridani	X 3.4	11	11 39,25	2,262	,003	+,017	10	—34 12 20,42	,133	,298	—,04
1496	Doradus	γ 4	11	11 42,94	1,552	,010	——	17	—51 54 19,67	,128	,203	——
1497	219 Tauri	7	4	11 48,06	3,519	,014	+,022	4	+20 38 27,96	,122	,463	—,09
1498	220 ———	7	3	11 52,20	3,523	,014	+,015	4	+20 47 15,74	,116	,464	+,02
1499	221 ———	6.7	3	11 53,88	3,191	,009	+,004	4	+ 5 43 53,36	,115	,423	—,06
1500	Persei	8	3	12 2,89	4,514	,039	+,018	3	+50 27 23,82	,103	,598	+,23
1501	216 Persei	7	4	12 7,84	4,145	,028	+,003	4	+42 2 0,08	,097	,550	—,08
1502	Reticuli	α 3.4	5	12 19,18	0,743	,018	——	9	—62 53 18,37	,081	,105	——
1503	Tauri	9	4	12 23,09	3,064	,007	+,014	4	— 0 19 30,62	,076	,403	+,08
1504	59 ———	χ 6	5	12 33,06	3,633	,017	+,007	5	+25 13 58,49	,063	,478	—,08
1505	———	7	5	12 41,08	3,515	,014	+,015	5	+20 25 25,17	,052	,464	—,11
1506	60 Tauri	h³ 7	3	12 46,09	3,362	,012	+,022	5	+13 40 50,63	,046	,444	—,11
1507	Eridani	o¹ 6.7	5	12 48,88	2,503	,003	+,007	8	—25 25 35,58	,044	,332	+,05
1508	———	Z 6.7	1	13 1,41	3,061	,007	+,007	4	— 0 29 26,54	,027	,401	—,20
1509	61 Tauri	δ¹ 4	16	13 25,69	3,440	,013	+,018	10	+17 8 56,35	8,995	,454	—,14
1510	Reticuli	ε 5	4	13 38,97	1,025	,016	——	10	—59 42 1,93	,978	,138	——
1511	219 Persei	6.7	2	13 47,61	3,870	,020	+,011	4	+33 44 26,79	,967	,513	—,15
1512	227 Tauri	7.8	3	13 49,71	3,520	,014	+,012	4	+20 35 24,59	,965	,465	—,08
1513	Reticuli	7	9	13 53,08	0,881	,009	——	9	—61 21 17,39	,959	,119	——
1514	220 Persei	7	5	13 56,55	3,861	,020	+,018	8	+33 27 17,45	,955	,513	?
1515	63 Tauri	6	5	13 57,48	3,423	,013	+,013	7	+16 23 7,14	,954	,453	—,16
1516	62 Tauri	7	3	14 3,43	3,602	,016	+,002	5	+28 54 34,35	,946	,476	—,08
1517	Horologii	ψ 6	3	14 3,76	1,888	,004	+,019	4	—44 40 0,13	,946	,249	—,05
1518	Doradus	7.8	9	14 11,86	1,465	,011	——	5	—53 18 25,72	,936	,193	——
1519	Cæli Sculp.	7	3	14 19,33	1,979	,003	——	3	—42 21 17,57	,925	,262	——
1520	64 Tauri	δ² 4.5	3	14 35.53	3,438	,013	+,013	10	+17 3 17,90	,905	,455	—,12
1521	Doradus	6.7	3	14 36,34	1,465	,011	——	3	—53 15 51,16	,904	,193	——
1522	———	7.8	4	14 36,43	1,463	,011	——	7	—53 18 29,12	,904	,193	——
1523	Eridani	o² 6	3	14 40,57	2,483	,003	+,004	5	—26 7 16,83	,898	,331	—,09
1524	66 Tauri	τ 5.6	3	14 52,63	3,262	,010	+,018	5	+ 9 4 13,05	,882	,433	—,10
1525	Doradus	8	2	14 59,65	1,459	,011	——	2	—53 20 37,73	,873	,193	——
1526	42 Eridani	ξ 6	5	15 28,29	2,984	,006	+,011	5	— 4 7 58,90	,836	,399	—,13
1527	65 Tauri	κ¹ 5.6	1	15 32,45	3,554	,015	+,009	5	+21 54 32,56	,830	,472	—,13
1528	67 ———	κ² 6.7	4	15 35.85	3,552	,015	+,013	6	+21 48 57,03	,826	,472	—,08
1529	———	6.7	5	15 36,78	3,794	,020	+,011	5	+31 3 31,27	,825	,503	—,18
1530	Reticuli	θ 5	11	15 51,00	0,645	,019	——	14	—63 39 22,20	,804	,088	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1531	68 Tauri δ³ 5	12	4 15 57,18	+3,451	+,00013	+,026	10	+17 32 38,22	8,797	—,00458	—0,04
1532	70 ——— 7	5	16 12,84	3,405	, 012	+,021	5	+15 33 25,26	,777	, 452	— ,12
1533	69 ——— υ¹ 5	5	16 26,58	3,568	, 015	+,021	9	+22 25 58,36	,758	, 474	— ,02
1534	——— 8	2	16 32,28	3,535	, 014	+,018	4	+21 5 19,58	,751	, 470	— ,08
1535	27 Camelop. 7.8	3	16 33,16	5,943	, 094	—,011	4	+67 15 39,82	,750	, 785	— ,11
1536	71 Tauri 5.6	7	16 57,22	3,399	, 011	+,029	5	+15 14 14,12	,718	, 451	— ,05
1537	306 Eridani 6.7	3	17 4,54	2,198	, 002	+,003	4	—35 56 0,67	,709	, 294	,00
1538	73 Tauri π 5	13	17 17,52	3,379	, 011	+,005	10	+14 20 3,12	,691	, 449	— ,06
1539	72 ——— υ² 6	5	17 26,03	3,573	, 014	+,012	5	+22 37 2,76	,679	, 475	— ,08
1540	Camelop. 9	4	17 28,35	10,051	, 428	+,022	4	+80 11 59,34	,677	,01331	+ ,01
1541	43 Eridani 4.5	3	17 50,53	2,245	, 003	+,008	13	—34 24 15,96	,648	,00300	,00
1542	247 Tauri 6.7	8	18 13,71	3,540	, 014	+,015	8	+21 14 42,11	,617	, 470	— ,12
1543	Cæli Sculp. 6.7	3	18 35,72	2,041	, 002	———	3	—40 26 10,65	,590	, 273	———
1544	312 Eridani 6.7	3	18 52,09	2,220	, 003	+,003	4	—35 8 3,43	,566	, 299	— ,11
1545	Tauri 7.8	4	18 55,22	3,416	, 012	+,009	4	+15 55 35,78	,562	, 456	+ ,01
1546	30¹ Camelop. 8.9	—	18 ———	4,708	, 042		—	+53 32 ———		, 635	
1547	74 Tauri ε 4	21	18 59,37	3,483	, 012	+,015	13	+18 48 27,16	,557	, 465	— ,08
1548	30² Camelop. 7	3	18 59,60	4,708	, 042	+,009	4	+53 32 32.81	,557	, 635	— ,03
1549	75 Tauri 6	6	19 0,89	3,417	, 012	,000	6	+15 59 2,35	,556	, 456	— ,02
1550	76 ——— 7	5	19 3,07	3,381	, 011	+,028	5	+14 22 1,89	,552	, 451	— ,02
1551	77 Tauri θ¹ 5	6	19 9,35	3,408	, 011	+,013	10	+15 35 21,23	,544	, 454	— ,12
1552	78 ——— θ² 5.6	8	19 14,92	3,406	, 011	+,010	7	+15 29 52,46	,538	, 454	— ,17
1553	Cæli Sculp 7	3	19 19,07	1,886	, 004	———	3	—44 24 6,57	,531	, 252	———
1554	——— 7	9	19 21,53	2,190	, 002	———	9	—36 3 6,01	,528	, 295	———
1555	Horologii 7	3	19 23,45	1,771	, 008	———	3	—47 1 34,22	,525	, 238	———
1556	79 Tauri b 6	4	19 36,01	3,343	, 010	+,019	5	+12 40 32,14	,509	, 447	— ,01
1557	44 Eridani k¹ 5.6	5	20 0,74	3,093	, 008	+,014	5	+ 1 0 32,94	,477	, 418	— ,12
1558	Reticuli η 5	4	20 7,70	0,609	, 023	———	10	—63 46 44,42	,468	, 083	———
1559	69 Horologii 7	3	20 8,42	1,877	, 005	+,007	4	—44 32 32,96	,467	, 252	+ ,06
1560	Camelop. 8	3	20 22,72	10,180	, 418	+,032	4	+80 19 9,46	,448	,01354	— ,05
1561	Cæli Sculp. 7	3	20 37,04	2,090	, 002	———	4	—38 57 43,72	,428	,00282	———
1562	260 Tauri 7	3	20 37,82	3,500	, 013	+,016	4	+19 28 27,19	,428	, 468	,00
1563	Horologii 7	3	20 41,06	1,848	, 005	———	3	—45 13 49,56	,424	, 250	———
1564	80 Tauri 6	15	20 44,58	3,402	, 012	+,012	8	+15 16 13,90	,419	, 452	— ,11
1565	Doradus 7	3	20 59,74	1,169	, 013	———	3	—57 26 50,39	,399	, 154	———
1566	223 Persei 7.8	3	20 59,76	3,966	, 020	+,010	4	+36 22 51,26	,399	, 533	— ,15
1567	Cæli Sculp. 06.7	3	21 4,20	2,019	, 003	———	3	—40 54 15,97	,393	, 272	———
1568	Tauri 5.6	4	21 7,47	3,415	, 012	+,007	6	+15 49 42,65	,389	, 458	— ,09
1569	81 ——— 5.6	2	21 14,71	3,404	, 012	+,018	3	+15 19 36,22	,380	, 456	— ,05
1570	83 ——— 6	6	21 20,56	3,360	, 012	+,020	5	+13 21 32,99	,371	, 451	— ,08
1571	269 Tauri 7	2	21 20,78	3,414	, 012	+,015	6	+15 47 11,50	,371	, 458	+ ,18
1572	84 ——— 7	8	21 45,79	3,391	, 011	+,017	12	+14 44 33,79	,338	, 455	— ,08
1573	Persei 6.7	7	21 46,04	4,192	, 025	+,005	8	+42 40 26,10	,337	, 568	— ,10
1574	57 ——— m 6.7	4	21 49,41	4,193	, 026	+,011	5	+42 42 11,31	,332	, 568	+ ,02
1575	Tauri 9.10	8	21 51,22	3,382	, 012	+,010	4	+14 19 32,72	,330	, 454	— ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1576	Eridani 8	1	4 22 4,65	+2,365	+,00003	——	1	—30 7 35,35	8,311	—,00320	——
1577	Cæli Sculp. 6	3	22 15,28	1,752	, 007	——	3	—47 18 24,99	,298	, 236	——
1578	85 Tauri 6	5	22 26,80	3,408	, 011	+,018	9	+15 29 26,34	,282	, 458	—,014
1579	Persei 9	4	22 28,68	4,196	, 027	—,008	4	+42 43 48,45	,279	, 567	—,08
1580	Cæli Sculp. 7	2	22 36,83	2,120	, 002	——	2	—37 58 29,48	,269	, 286	——
1581	Cæli Sculp. 6.7	3	22 45,62	1,961	, 003	——	3	—42 19 42,35	,257	, 260	——
1582	Reticuli 6.7	3	22 49,27	0,815	, 018	——	3	—61 36 46,58	,253	, 116	——
1583	274 Tauri 6.7	3	23 18,09	3,179	, 008	+,017	4	+ 5 2 58,33	,214	, 431	—,09
1584	45 Eridani k^2 6	5	23 26,47	3,062	, 007	+,007	5	— 0 24 14,81	,203	, 417	—,08
1585	Cæli Sculp. 7	3	23 34,44	2,081	, 002	——	3	—39 2 47,69	,193	, 282	——
1586	324 Eridani 6.7	2	23 55,41	2,343	, 003	+,020	4	—30 48 24,93	,165	, 318	—,05
1587	275 Tauri 7	4	24 12,08	3,421	, 012	+,004	4	+15 58 7,77	,142	, 460	—,04
1588	——— 7	6	24 19,23	3,738	, 016	+,016	5	+28 36 30,95	,133	, 503	—,11
1589	Cæli Sculp. 7	3	24 27,65	1,765	, 007	——	3	—46 52 47,13	,121	, 238	——
1590	86 Tauri ρ 5	12	24 29,63	3,386	, 011	+,022	10	+14 29 27,86	,118	, 457	—,14
1591	277 Tauri 7	3	24 31,54	3,351	, 011	+,036	4	+12 53 53,05	,116	, 452	—,08
1592	Eridani N 6	3	24 39,77	2,182	, 002	—,007	4	—36 0 55,18	,105	, 296	—,03
1593	Cæli Sculp. 7	3	24 59,80	2,141	, 002	——	3	—37 14 3,44	,078	, 290	——
1594	Persei e 5.6	3	25 16,54	4,132	, 024	+,006	4	+40 55 3,51	,055	, 561	—,03
1595	Cæli Sculp. k 6.7	3	25 24,73	1,986	, 003	,000	4	—41 31 56,10	,045	, 270	—,09
1596	Cæli Sculp. δ 5	12	25 47,14	1,831	, 006	+,009	9	—45 18 42,14	,015	, 247	+,07
1597	46 Eridani 6	6	25 52,62	2,919	, 006	+,011	10	— 7 5 26,90	,007	, 400	—,05
1598	Tauri 8	4	25 59,81	3,508	, 013	+,011	4	+19 37 22,36	7,998	, 473	—,01
1599	282 ——— 6.7	3	26 2,79	3,506	, 013	+,011	4	+19 32 3,55	,994	, 473	—,12
1600	Eridani 6	5	26 12,78	2,916	, 005	——	3	— 7 11 12,40	,981	, 400	——
1601	47 Eridani 5	12	26 15,19	2,886	, 005	+,007	10	— 8 34 55,43	,978	, 393	—,02
1602	87 Tauri α 1	84	26 27,58	3,427	, 011	+,015	146	+16 10 14,06	,961	, 463	—,27
1603	——— 9	4	26 31,92	3,283	, 009	+,006	3	+ 9 49 31,40	,955	, 446	—,05
1604	88 ——— d 5	4	26 35,60	3,288	, 009	+,007	10	+ 9 49 1,72	,950	, 446	+,10
1605	35 Camelop. 6.7	3	26 45,95	7,863	, 194	+,022	4	+75 37 29,06	,937	,01058	—,14
1606	Camelop. a 6.7	3	26 55,19	4,706	, 038	+,010	4	+53 8 17,77	,925	,00658	—,10
1607	38 ——— 5.6	3	26 56,14	4,686	, 038	—,003	4	+52 44 27,23	,923	, 652	—,04
1608	Cæli Sculp. 7	3	26 57,37	2,177	, 003	——	3	—36 3 4,59	,922	, 296	——
1609	Eridani v^1 6	4	27 2,32	2,359	, 004	—,016	4	—30 6 16,87	,916	, 322	—,28
1610	Cæli Sculp. 7	3	27 16,28	2,089	, 002	——	3	—38 38 6,87	,897	, 285	——
1611	Eridani 8	2	27 24,79	2,885	, 005	+,001	4	— 8 38 17,24	,883	, 393	—,07
1612	335 ——— 7	4	27 27,46	2,395	, 004	,000	8	—28 47 47,89	,882	, 326	—,09
1613	48 ——— v^2 4	9	28 4,81	2,991	, 006	+,009	5	— 3 41 44,31	,830	, 410	—,04
1614	89 Tauri 7	5	28 43,33	3,417	, 011	+,018	5	+15 41 44,80	,780	, 463	—,06
1615	49 Eridani k^3 6	4	28 43,85	3,085	, 006	+,010	5	+ 0 39 30,71	,778	, 424	—,08
1616	Doradus 7	3	28 48,80	0,926	, 023	——	3	—60 7 4,68	,772	, 131	——
1617	232 Persei 6.7	3	28 48,96	4,122	, 021	+,006	4	+40 27 18,22	,772	, 573	—,09
1618	Scep. Brand. 7	3	28 54,15	2,881	, 005	—,002	4	— 8 48 4,30	,765	, 393	—,05
1619	90 Tauri c^1 5	5	28 56,62	3,338	, 010	+,017	10	+12 10 1,52	,761	, 453	—,10
1620	52 Eridani v^3 3	6	29 8,45	2,333	, 004	+,001	12	—30 54 17,87	,746	, 318	—,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1621	Eridani 8.9	4	4 29 14,31	+2,881	+,00005	+,005	3	— 8 45 57,46	7,738	—,00394	+ 0,10
1622	51 ——— o 5.6	4	29 18,15	3,010	, 006	+,013	4	— 2 48 34,30	,733	, 414	— ,15
1623	——— 9.10	2	29 26,06	3,007	, 006	+,006	4	— 2 59 1,08	,722	, 414	— ,03
1624*	91 Tauri o^1 5.6	4	29 44,38	3,413	, 010	+,008	5	+15 28 5,04	,697	, 464	— ,09
1625	92 ——— o^2 5.6	6	29 50,62	3,415	, 010	+,006	5	+15 35 2,57	,688	, 464	— ,05
1626	293 Tauri 6.7	4	30 10,92	3,234	, 008	+,030	4	+ 7 32 12,43	,661	, 443	— ,08
1627	Doradus α 3	6	30 26,57	1,280	, 012	——	10	—55 23 20,00	,640	, 171	——
1628	Eridani 7.8	4	30 26,92	2,327	, 004	—,010	4	—31 3 18,68	,640	, 319	— ,06
1629	40 Camelop. 7.8	4	30 32,65	6,509	, 100	+,015	8	+70 12 42,19	,632	, 879	+ ,06
1630	53 Eridani 4	6	30 37,65	2,748	, 004	+,002	9	—14 37 52,15	,624	, 375	— ,17
1631	Cæli Sculp. 7	5	30 38,53	2,099	, 002	——	5	—38 9 38,33	,623	, 288	——
1632	347 Eridani 7	4	30 40,15	2,335	, 004	+,003	4	—30 46 3,80	,622	, 320	— ,03
1633	93 Tauri c^2 5	12	30 52,65	3,331	, 009	+,012	10	+11 52 4,82	,604	, 455	+ ,07
1634	Eridani 8	5	30 55,68	2,885	, 005	+,001	3	— 8 33 26,03	,600	, 396	— ,02
1635	Tauri 6.7	6	31 0,70	3,737	, 015	+,007	5	+28 17 15,59	,594	, 509	— ,08
1636	Cæli Sculp. 7	2	31 1,04	2,185	, 003	——	2	—35 37 25,89	,594	, 299	——
1637	Eridani 7	4	31 12,19	2,798	, 004	+,012	2	—12 27 18,66	,579	, 384	— ,02
1638	236 Persei 6	3	31 12,92	4,228	, 024	+,005	4	+43 2 31,76	,578	, 580	— ,03
1639	Eridani 8.9	4	31 24,17	2,305	, 004	+,008	3	—31 44 39,49	,563	, 316	+ ,03
1640	348 ——— 6.7	4	31 24,47	3,039	, 006	+,001	4	— 1 22 57,34	,563	, 424	— ,06
1641	Eridani 6	5	31 44,66	2,746	, 004	+,016	4	—14 41 3,61	,534	, 377	— ,18
1642	7 Cæli Sculp. 7	2	31 57,02	1,946	, 003	—,002	4	—42 12 33,35	,518	, 267	+ ,06
1643	Tauri τ^1 8.9	4	32 18,68	3,587	, 013	—,001	2	+22 37 6,43	,489	, 489	— ,14
1644	——— τ 5	7	32 21,08	3,588	, 013	+,010	14	+22 38 0,41	,486	, 489	— ,04
1645	6 Aurigæ 6.7	4	33 8,96	3,864	, 017	+,008	4	+32 32 49,39	,421	, 529	— ,05
1646	54 Eridani 4	18	33 13,69	2,619	, 004	+,007	8	—19 59 36,46	,414	, 359	— ,07
1647	296 Tauri 7.8	4	33 14,20	3,484	, 011	+,017	4	+18 24 10,22	,414	, 477	— ,09
1648	95 ——— 7	4	33 14,98	3,618	, 013	+,016	5	+23 46 7,55	,413	, 494	— ,10
1649	Eridani P 6	5	33 15,42	2,497	, 004	+,007	6	—24 48 36,76	,413	, 342	— ,10
1650	Equ. Pict. 9	5	33 43,17	1,457	, 010	——	5	—52 23 5,15	,375	, 198	——
1651	44 Camelop. 6	3	34 17,16	4,948	, 044	—,011	4	+56 27 14,28	,329	, 689	— ,07
1652	Cæli Sculp. ξ 6.7	3	34 34,44	2,058	, 002	——	3	—39 7 48,78	,305	, 284	——
1653	Camelop. 7	4	34 45,64	5,550	, 059	+,007	4	+63 19 19,85	,289	, 757	— ,12
1654	Equ. Pict. 6	3	34 59,56	1,476	, 010	——	3	—51 59 56,50	,270	, 202	——
1655	Cæli Sculp. α 4.5	12	35 14,97	1,941	, 003	—,013	13	—42 10 58,48	,250	, 267	— ,11
1656	Tauri 6	5	35 17,57	3,309	, 009	+,018	6	+10 49 55,61	,246	, 455	— ,02
1657	Eridani 7.8	4	35 24,66	2,529	, 004	+,014	4	—23 29 43,74	,237	, 347	— ,03
1658	7 Aurigæ 7	4	35 30,50	3,744	, 015	+,001	4	+28 21 0,44	,227	, 515	— ,11
1659	55¹ Eridani 6.7	4	35 40,45	2,871	, 005	+,013	3	— 9 6 31,41	,215	, 398	— ,01
1660	55² ——— 7.8	4	35 40,45	2,871	, 005	—,013	4	— 9 6 37,19	,215	, 398	— ,04
1661	Eridani 9	4	35 51,91	2,995	, 006	+,023	2	— 3 28 51,15	,199	, 420	— ,06
1662	Cæli Sculp. 7.8	3	36 1,66	2,113	, 003	——	3	—37 30 27,92	,186	, 291	——
1663	Equ. Pict. 7	3	36 2,56	1,641	, 008	——	3	—48 51 34,93	,184	, 226	——
1664	358 Eridani 6	2	36 10,15	2,877	, 005	+,005	4	— 8 49 2,80	,175	, 399	— ,15
1665	Cæli Sculp. β 5	9	36 13,73	2,114	, 003	+,009	10	—37 28 14,57	,169	, 291	+ ,21

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1666	Tauri 8	4	4 36 28,10	+3,489	+,00011	+,002	4	+18 29 29,15	7,151	—,00479	—0,04
1667	——— 6	6	36 39,21	3,487	, 011	+,015	5	+18 25 44,66	,134	, 479	— ,16
1668	Camelop. R 6	4	36 40,91	5,546	, 056	,000	4	+63 12 42,18	,132	, 735	— ,14
1669	361 Eridani 6.7	3	36 46,79	2,317	, 004	+,003	4	—31 4 36,89	,123	, 321	— ,03
1670	57 ——— μ 5	10	37 15,48	2,993	, 006	+,017	10	— 3 33 46,03	,086	, 419	— ,05
1671	Equ. Pict. 6.7	3	37 15,65	1,675	, 007	——	3	—48 8 24,52	,085	, 232	——
1672	Eridani 6.7	3	37 37,37	2,409	, 004	——	3	—27 53 15,36	,055	, 333	——
1673	Camelop. 4.5	11	37 42,01	5,889	, 069	+,004	11	+66 3 0,63	,048	, 810	,00
1674	Eridani 8	3	37 53,76	2,398	, 004	+,014	4	—28 15 31,96	,032	, 332	,00
1675	——— 7	4	37 58,82	2,575	, 004	+,016	4	—21 35 27,85	,025	, 357	— ,01
1676	Camelop. 8	7	38 4,28	5,904	, 069	—,019	5	+66 8 52,36	,019	, 813	— ,05
1677	Cæli Sculp. λ 6.7	4	38 18,98	1,967	, 003	+,001	4	—41 22 33,78	6,999	, 272	— ,04
1678	3 Orionis 7	3	38 30,24	3,191	, 007	+,017	5	+ 5 29 5,18	,983	, 444	— ,14
1679	Cæli Sculp. 7.8	3	38 31,05	2,134	, 003	——	3	—36 45 45,27	,982	, 296	——
1680	Equ. Pict. λ 5	3	38 33,05	1,534	, 009	——	3	—50 47 41,61	,979	, 213	——
1681	11 Aurigæ 6.7	4	38 39,27	3,863	, 016	+,006	4	+32 17 24,33	,971	, 534	— ,07
1682	9 ——— 6.7	4	38 46,16	4,486	, 028	+,006	4	+48 26 48,01	,961	, 621	— ,05
1683	——— f 6	4	38 48,88	4,022	, 018	—,003	4	+37 11 18,87	,953	, 557	,00
1684	305 Tauri 7.8	4	39 2,98	3,489	, 011	+,023	4	+18 25 39,96	,938	, 481	— ,37
1685	Equ. Pict. 6 7	5	39 17,36	1,645	, 007	——	5	—48 38 50,46	,918	, 228	——
1686	Cæli Sculp. ι 7	3	39 43,59	2,214	, 004	+,033	4	—34 18 35,24	,881	, 307	— ,08
1687	Equ. Pict. 7	3	39 46,75	1,430	, 009	——	3	—52 34 24,06	,877	, 197	——
1688	Eridani 6	5	39 50,67	2,392	, 004	+,005	10	—28 23 27,27	,872	, 332	— ,09
1689	Tauri 8	4	40 5,56	3,422	, 010	+,026	3	+15 35 38,60	,852	, 473	— ,02
1690	58 Eridani 6	6	40 11,99	2,681	, 004	+,021	5	—17 14 31,51	,844	, 372	+ ,10
1691	96 Tauri K 6	5	40 18,11	3,422	, 010	+,013	4	+15 36 32,26	,835	, 473	— ,08
1692	Cæli Sculp. ζ 6.7	3	40 21,18	2,029	, 003	,000	4	—39 39 29,60	,831	, 283	— ,13
1693	——— 7	3	40 45,64	2,097	, 003	——	3	—37 45 21,66	,797	, 289	——
1694	Camelop. 7.8	3	40 49,91	6,108	, 077	—,007	4	+67 29 52,34	,792	, 841	— ,03
1695	1 Orionis q 4	20	40 53,33	3,218	, 008	+,033	16	+ 6 39 59,60	,787	, 448	— ,01
1696	59 Eridani 6	5	41 7,41	2,695	, 004	+,001	5	—16 37 38,77	,769	, 375	+ ,01
1697	Aurigæ 7	4	41 18,03	3,998	, 017	+,016	4	+36 21 18,02	,753	, 556	+ ,02
1698	Cæli Sculp. 7	3	41 19,86	2,066	, 003	——	3	—38 36 27,27	,750	, 288	——
1699	374 Eridani 6.7	3	41 23,54	2,335	, 004	+,008	4	—30 19 18,99	,745	, 325	— ,01
1700	Orionis 8	4	41 25,63	3,218	, 008	+,012	4	+ 6 39 28,35	,742	, 448	+ ,03
1701	47 Camelop. 6.7	4	41 29,47	7,463	, 144	—,024	4	+73 59 52,32	,738	,01030	— ,03
1702	50 ——— 6	4	41 35,25	4,869	, 038	,000	4	+54 58 34,94	,730	,00684	,00
1703	Aurigæ g 5.6	5	41 35,90	4,000	, 017	—,003	4	+36 24 57,39	,729	, 557	— ,10
1704	2 Orionis π^1 5	15	41 37,57	3,262	, 008	+,014	14	+ 8 36 37,01	,726	, 454	— ,08
1705	97 Tauri i 5.6	7	41 43,70	3,494	, 011	+,017	5	+18 33 7,30	,717	, 484	— ,12
1706	3 Orionis r 4	11	42 25,38	3,188	, 007	—,001	13	+ 5 18 59,54	,662	, 445	— ,07
1707	Aurigæ 7	5	42 29,23	3,731	, 014	+,016	5	+27 36 49,63	,656	, 518	— ,09
1708	Orionis 6.7	3	42 40,10	3,286	, 008	+,003	4	+ 9 41 18,71	,641	, 459	— ,04
1709	Cæli Sculp. 7	7	42 44,91	1,723	, 006	——	7	—46 53 28,64	,633	, 238	——
1710	60 Eridani 6	8	42 45,87	2,697	, 004	+,026	5	—16 30 34,19	,632	, 376	+ ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1711	Cæli Sculp. 8.9	4	4 43 9,87	+2,174	+,00003	+,019	3	—35 22 49,59	6,600	—,00302	+0,13
1712	4 Orionis o^1 5	11	43 12,39	3,385	, 009	+,013	10	+13 58 8,33	,597	, 471	— ,08
1713	53 Camelop. 7	4	43 14,18	4,912	, 039	,000	4	+55 32 55,79	,594	, 691	— ,12
1714	17 Cæli Sculp 6.7	3	43 29,35	1,840	, 005	—,004	4	—44 16 21,57	,573	, 255	— ,06
1715	Eridani 8	4	43 35,04	2,946	, 005	+,023	3	— 5 39 37,78	,564	, 414	+ ,08
1716	51 Camelop. 6.7	3	43 44,69	7,339	, 124	—,001	4	+73 30 11,85	,551	,01015	— ,03
1717	Cæli Sculp. 8	5	43 53,89	2,173	, 003	+,028	2	—35 23 15,91	,538	,00301	+ ,11
1718	52 Camelop. 7.8	3	43 56,88	7,425	, 132	—,025	1	+73 48 29,80	,534	,01028	+ ,02
1719	7 ——— b 5	5	44 4,87	4,779	, 035	—,001	10	+53 28 41,09	,523	,00672	+ ,02
1720	Cæli Sculp. 7	5	44 23,42	1,926	, 004	——	5	—42 8 29,81	,498	, 269	——
1721	311 Tauri 7	3	44 31,42	3,452	, 010	+,011	4	+16 44 52,22	,487	, 480	— ,08
1722	Cæli Sculp. 6	3	44 31,93	0,929	, 014	——	3	—59 25 45,65	,486	, 131	——
1723	Eridani 7	3	44 39,39	2,948	, 005	+,001	4	— 5 34 2,39	,476	, 415	— ,04
1724	5 Orionis 6	3	44 46,84	3,120	, 006	+,014	5	+ 2 13 45,18	,464	, 439	— ,21
1725	61 Eridani ω 5	6	44 47,59	2,944	, 005	+,007	9	— 5 44 5,20	,463	, 415	— ,07
1726	Cæli Sculp. 6.7	3	44 49,24	2,051	, 003	——	3	—38 51 0,56	,462	, 286	——
1727	——— ν 6.7	3	44 54,59	1,946	, 004	—,019	4	—41 36 34,22	,454	, 272	+ ,05
1728	Doradus 8	3	45 21,48	0,712	, 017	——	3	—61 45 52,95	,418	, 105	——
1729	313 Tauri 7	4	45 26,50	3,437	, 010	+,006	4	+16 6 40,22	,410	, 479	— ,07
1730	Cæli Sculp. η^1 6	6	45 28,34	2,178	, 003	+,008	8	—35 11 13,35	,409	, 304	— ,05
1731	6 Orionis g 6	5	45 38,33	3,321	, 009	+,021	6	+11 8 59,34	,394	, 464	,00
1732	8 ——— z 4.5	8	45 39,72	3,119	, 006	+,017	8	+ 2 9 51,06	,392	, 439	— ,07
1733	Camelop. 7.8	4	45 47,66	7,446	, 134	—,030	2	+73 50 21,76	,380	,01032	— ,96
1734	7 Orionis π^2 5.6	5	45 49,09	3,292	, 008	+,009	5	+ 9 52 54,97	,379	,00462	— ,10
1735	Cæli Sculp. η 6.7	3	45 50,12	2,199	, 004	——	3	—34 31 9,86	,377	, 307	——
1736	314 Tauri 7	2	45 50,53	3,443	, 010	+,014	4	+16 20 54,52	,376	, 481	+ ,08
1737	19 Orionis 6.7	3	45 52,84	3,238	, 008	—,002	4	+ 7 30 21,55	,373	, 455	+ ,08
1738	——— 7.8	4	46 13,42	2,993	, 006	+,017	4	— 3 30 1,63	,347	, 423	— ,01
1739	3 Aurigæ ι 4	14	46 15,52	3,892	, 016	+,013	10	+32 53 48,99	,343	, 545	— ,07
1740	Camelop. 9	4	46 20,15	5,830	, 059	—,006	4	+65 18 34,81	,336	, 811	,00
1741	20 Orionis 6	4	46 22,18	3,075	, 005	—,006	4	+ 0 11 36,18	,334	, 440	+ ,02
1742	57 Camelop. 6.7	4	46 38,97	4,749	, 030	,000	4	+52 53 30,61	,310	, 670	— ,01
1743	9 Orionis o^2 5	12	47 6,14	3,370	, 008	+,011	10	+13 14 49,04	,273	, 472	— ,13
1744	——— 6.7	4	47 14,27	3,241	, 007	+,001	4	+ 7 38 14,65	,262	, 456	— ,02
1745	Equ. Pict. ι^1 6	9	47 14,97	1,339	, 010	——	9	—53 44 41,62	,261	, 184	——
1746	Equ. Pict. ι^2 7	8	47 16,24	1,339	, 010	——	8	—53 44 34,27	,259	, 184	——
1747	——— 7	3	47 20,38	1,702	, 006	——	3	—47 7 46,68	,253	, 239	——
1748	——— 6.7	3	47 28,03	1,444	, 009	——	3	—52 0 16,42	,243	, 201	——
1749	Tauri 6.7	5	47 48,50	3,629	, 011	+,009	6	+23 41 0,66	,213	, 508	— ,05
1750	——— I 6.7	5	47 50,87	3,457	, 009	+,001	5	+16 53 15,09	,210	, 484	— ,08
1751	Eridani 9	3	47 58,26	2,947	, 005	+,012	4	— 5 35 28,52	,201	, 417	— ,04
1752	4 Aurigæ ω 5	12	48 3,98	4,052	, 016	+,008	10	+37 37 57,55	,193	, 568	— ,12
1753	98 Tauri k 6	5	48 3,98	3,658	, 011	+,020	5	+24 47 18,46	,193	, 512	— ,03
1754	Cæli Sculp. 7	3	48 6,30	2,158	, 003	——	3	—35 41 2,15	,190	, 302	——
1755	62 Eridani b 6	5	48 16,97	2,950	, 005	+,012	5	— 5 26 20,08	,174	, 417	— ,12

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1756	Orionis	8	4	4 48 21,01	+3,138	+,00006	+,020	2	+ 3 1 10,92	6,169	—,00443	+0,05
1757	Camelop.	8.9	4	48 41,49	5,291	, 041	—,013	4	+60 10 13,14	,141	, 744	— ,10
1758	Cæli Sculp.	7	3	48 45,39	2,454	, 004	——	3	—25 50 47,18	,136	, 343	——
1759	10 Camelop.	d^1 4.5	6	48 46,23	5,293	, 041	—,001	10	+60 11 24,43	,135	, 744	,00
1760	26 Aurigæ	6.7	4	48 58,73	4,107	, 017	+,014	4	+39 8 9,22	,118	, 577	— ,05
1761	Cæli Sculp.	7	3	49 1,37	2,026	, 003	——	3	—39 21 34,67	,114	, 286	——
1762	27 Aurigæ	7	4	49 1,62	4,117	, 017	+,004	4	+39 23 46,35	,114	, 577	+ ,06
1763	Equ. Pict.	8	7	49 3,52	1,279	, 011	——	5	—54 35 54,17	,111	, 176	——
1764	Cæli Sculp.	π 6	4	49 23,46	2,006	, 003	,000	4	—39 53 54,63	,082	, 283	— ,09
1765	Orionis	8.9	3	49 33,07	3,103	, 005	+,015	4	+ 1 24 50,30	,070	, 432	— ,02
1766	Tauri	9	4	49 35,96	3,395	, 008	+,014	1	+14 17 25,34	,066	, 477	— ,01
1767	——	7	5	49 37,85	3,395	, 008	—,007	1	+14 17 5,11	,065	, 477	+ ,04
1768	10 Orionis	s 5.6	5	50 0,15	3,103	, 005	+,011	5	+ 1 27 15,94	,032	, 432	— ,04
1769	7 Aurigæ	ε 4	13	50 8,56	4,285	, 021	+,009	16	+43 34 12,46	,021	, 604	— ,04
1770	101 Tauri	7	5	50 16,43	3,429	, 009	+,014	5	+15 39 39,19	,010	, 482	— ,13
1771	Cæli Sculp.	6.7	3	50 34.40	2,030	, 003	——	3	—39 12 11,40	5,985	, 287	——
1772	Orionis	8.9	3	50 56,52	3,299	, 007	—,022	4	+10 8 8,17	,953	, 466	— ,13
1773	8 Aurigæ	ζ 4	9	50 57,49	4,175	, 018	+,005	17	+40 49 34,05	,952	, 589	— ,03
1774	Orionis	6.7	4	51 12,60	3,393	, 008	+,011	4	+14 7 39,48	,931	, 478	+ ,03
1775	——	7	3	51 16,61	3,284	, 007	+,018	2	+ 9 26 44,27	,927	, 464	— ,10
1776	Eridani	8.9	3	51 26,30	2,654	, 004	+,011	4	—18 3 52,95	,911	, 374	— ,03
1777	Camelop.	Y 6	7	51 27,46	8,292	, 161	—,015	8	+76 14 48,52	,910	,01160	— ,01
1778	Eridani	7	3	51 37,48	2,831	, 005	,000	3	—10 36 31,91	,897	,00401	— ,06
1779	Camelop.	6	3	51 38,27	7,447	, 118	—,016	4	+73 43 5,10	,895	,01038	— ,04
1780	Equ. Pict.	7	3	51 38,96	1,266	, 011	——	3	—54 41 36,22	,894	,00174	——
1781	Camelop.	d^2 6.7	5	51 49,50	5,181	, 039	—,001	4	+58 43 50,84	,880	, 733	+ ,02
1782	61 ——	6.7	1	51 52,40	5,181	, 039	+,005	4	+58 46 50,63	,875	, 723	,00
1783	63 Eridani	5	7	52 2,19	2,834	, 005	+,005	9	—10 30 36,60	,860	, 401	— ,09
1784	Doradus	6.7	3	52 11,54	0,958	, 013	——	3	—58 48 57,99	,848	, 136	——
1785	64 Eridani	6	5	52 16,13	2,781	, 004	+,023	5	—12 47 10,41	,842	, 393	— ,12
1786	Equ. Pict.	7	3	53 12,69	1,251	, 011	——	3	—54 52 8,55	,764	, 172	——
1787	102 Tauri	ι 4.5	20	53 14,48	3,572	, 010	+,018	14	+21 20 49,31	,761	, 502	— ,08
1788	33 Orionis	6.7	5	53 21,07	3,082	, 005	+,003	4	+ 0 28 33,30	,752	, 437	— ,07
1789	——	8	4	53 25,72	3,089	, 005	+,021	4	+ 0 48 3,96	,746	, 436	+ ,10
1790	65 Eridani	ψ 5	9	53 26,48	2,904	, 005	+,004	10	— 7 25 18,59	,744	, 412	— ,03
1791	Orionis	7	3	53 27,70	3,102	, 005	+,013	4	+ 1 21 43,86	,743	, 434	+ ,01
1792	——	8.9	2	53 28,57	3,102	, 005	—,001	—	+ 1 21 ——	,742	, 434	——
1793	35 Aurigæ	6	3	53 46,23	4,675	, 028	,000	4	+51 22 6,67	,717	, 661	— ,17
1794	Orionis	7	4	53 49,79	3,339	, 007	+,005	4	+11 48 47,88	,713	, 473	+ ,02
1795	Cæli Sculp.	7	3	54 3,11	2,110	, 003	——	3	—36 52 22,09	,693	, 297	——
1796	2 Leporis	5	3	54 16,33	2,597	, 004	+,012	4	—20 17 48,99	,675	, 367	+ ,04
1797	Doradus	6.7	7	54 22,87	0,991	, 013	——	7	—58 19 42,30	,666	, 139	——
1798	Aurigæ	e 6.7	3	54 25,45	5,510	, 046	—,008	3	+62 15 8,89	,662	, 773	+ ,09
1799	Tauri	7	6	54 32,00	3,564	, 010	+,006	5	+21 2 21,06	,652	, 504	— ,06
1800	10 Aurigæ	η 4	15	54 57,34	4,187	, 017	+,011	13	+41 0 8,74	,617	, 593	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1801	41 Aurigæ 6.7	4	4 55 3,32	+4,265	+,00019	+,002	4	+42 56 25,59	5,609	—,00605	+0,02
1802	11 Orionis y^1 5	6	55 8,68	3,419	, 009	+,008	10	+15 10 2,62	,602	, 484	— ,07
1803	Equ. Pict. 7	3	55 11,71	1,557	, 008	——	3	—49 42 21,74	,597	, 220	——
1804	Doradus 7	3	55 12,83	0,999	, 013	——	3	—58 13 5,61	,596	, 140	——
1805	—— 7	3	55 19,28	0,979	, 013	——	3	—58 27 29,45	,587	, 137	——
1806	Leporis 5.6	5	55 27,38	2,430	, 004	+,010	7	—26 30 48,49	,575	, 343	— ,08
1807	Camelop. K 5.6	4	55 30,44	9,693	, 230	—,058	4	+79 1 14,80	,571	,01360	+ ,09
1808	332 Tauri 7	4	55 41,12	3,703	, 012	—,001	4	+26 11 44,42	,555	,00525	— ,04
1809	1 Leporis 6	5	55 47,49	2,525	, 004	—,014	5	—23 2 12,44	,547	, 357	+ ,08
1810	333 Tauri 6.7	4	55 49,02	3,528	, 009	+,010	4	+19 34 20,92	,545	, 498	— ,04
1811	Cæli Sculp. ε 6	8	56 5,10	1,994	, 003	+,007	8	—39 57 42,27	,522	, 284	— ,01
1812	—— 7	3	56 8,23	2,095	, 003	——	3	—37 13 2,87	,518	, 297	——
1813	—— θ 5.6	3	56 8,58	2,267	, 004	——	3	—32 0 52,13	,518	, 320	——
1814	Doradus 8	6	57 18,55	0,949	, 013	——	6	—58 44 32,60	,420	, 135	——
1815	Cæli Sculp. 7	3	57 40,45	1,917	, 004	——	3	—41 50 43,94	,389	, 273	——
1816	104 Tauri m 5	8	57 42,45	3,500	, 009	+,045	17	+18 24 58,71	,386	, 496	— ,04
1817	Orionis 9	4	57 55,87	3,211	, 006	+,034	4	+ 6 11 35,66	,368	, 459	— ,08
1818	106 Tauri l^1 5 6	6	58 2,86	3,545	, 009	+,008	5	+20 11 37,41	,358	, 502	— ,03
1819	—— 6	5	58 3,69	3,646	, 010	+,004	5	+24 2 24,10	,357	, 517	+ ,03
1820	105 —— 6	5	58 3,87	3,578	, 009	—,003	5	+21 28 46,17	,357	, 507	— ,01
1821	Camelop. f 6.7	4	58 11,45	5,544	, 045	—,024	4	+62 28 31,51	,345	, 782	,00
1822	Tauri 7	5	58 13,89	3,758	, 011	+,012	5	+28 2 55,73	,343	, 533	+ ,01
1823	Aurigæ b 6	4	58 26,43	4,442	, 021	+,012	4	+46 44 54,57	,324	, 632	— ,21
1824	Cæli Sculp. γ^1 5	7	58 28,54	2,144	, 003	+,011	10	—35 42 48,74	,322	, 304	— ,10
1825	2 Leporis ε 4	11	58 28,74	2,534	, 004	+,017	10	—22 35 52,14	,322	, 360	— ,16
1826	Equ. Pict. 6.7	3	58 30,43	1,568	, 008	——	3	—49 23 23,98	,319	, 223	——
1827	Cæli Sculp. γ^2 6.7	4	58 32,84	2,137	, 003	—,003	4	—35 56 21,79	,315	, 303	— ,03
1828	Leporis 6	5	58 34,61	2,431	, 004	+,015	5	—26 22 48,08	,313	, 344	— ,10
1829	45 Orionis 6.7	4	58 36,20	3,281	, 007	+,007	4	+ 9 15 48,82	,310	, 468	— ,40
1830	66 Eridani 6	5	58 36,44	2,961	, 005	—,005	5	— 4 52 56,62	,310	, 424	— ,04
1831	Cæli Sculp. μ 6.7	4	58 38,17	1,910	, 004	+,013	4	—41 59 7.65	,306	, 285	+ ,12
1832	Equ. Pict. η^1 7	3	58 42,74	1,538	, 008	——	3	—49 56 28,46	,301	, 285	——
1833	Orionis 8.9	4	58 47,78	2,949	, 005	+,023	4	— 5 23 29,60	,294	, 423	— ,10
1834	14 —— i 6	4	58 54,14	3,259	, 007	+,006	5	+ 8 16 35,47	,284	, 466	— ,14
1835	Doradus 8	5	58 58,31	0,945	, 012	——	6	—58 45 20,18	,279	, 134	——
1836	Equ. Pict. E. 7	2	58 59,58	1,548	, 008	——	2	—49 43 33,24	,277	, 220	——
1837	107 Tauri l^2 7	2	59 6,67	3,531	, 009	+,014	5	+19 38 17,64	,268	, 501	— ,03
1838	Aurigæ 8.9	3	59 26,96	4,442	, 021	+,013	4	+46 43 33,75	,239	, 633	,00
1839	67 Eridani β 3	13	59 44,56	2,951	, 005	,000	10	— 5 18 21,40	,213	, 423	— ,13
1840	Equ. Pict. 8	2	5 0 9,09	1,540	, 008	——	2	—49 50 33,81	,179	, 219	——
1841	16 Orionis h 6	5	0 15,24	3,290	, 007	+,010	5	+ 9 36 33,93	,170	, 471	— ,20
1842	15 —— y^2 5	8	0 15,74	3,426	, 008	+,009	11	+15 22 46,63	,170	, 488	— ,09
1843	68 Eridani 6	5	0 33,31	2,965	, 005	+,007	5	— 4 40 36,75	,145	, 425	— ,07
1844	Orionis 6.7	4	0 51,88	3,229	, 006	+,008	4	+ 6 57 49,82	,119	, 463	— ,03
1845	Doradus 8	5	0 52,63	0,947	, 012	——	5	—58 40 34,36	,118	, 134	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1846	Leporis 7	3	5 0 51,93	+2,592	+,00004	+,001	4	—20 20 20,74	5,119	—,00369	—0,07
1847	54 Orionis 7	5	0 52,99	3,377	, 007	—,007	4	+13 20 1,61	,118	, 482	— ,09
1848	342 Tauri 7	4	1 0,25	3,551	, 009	+,015	4	+20 21 19,91	,107	, 504	+ ,02
1849	Orionis 7	4	1 3,93	3,293	, 007	+,011	4	+ 9 44 47,72	,103	, 471	— ,02
1850	69 Eridani λ 4	6	1 15,17	2,867	, 005	+,007	10	— 8 58 17,85	,086	, 410	— ,05
1851	51 Aurigæ 6.7	4	1 30,83	4,788	, 027	+,010	3	+53 0 27,73	,064	, 684	+ ,04
1852	Equ. Pict. 6	3	1 33,98	1,248	, 010	——	3	—54 37 57,10	,060	, 174	——
1853	Orionis 8.9	4	1 58,14	2,979	, 005	+,007	3	— 4 3 59,25	,025	, 429	— ,07
1854	11 Aurigæ μ 5	5	2 8,67	4,093	, 014	,000	10	+38 16 49,03	,011	, 583	— ,01
1855	Orionis y^3 6.7	4	2 13,50	3,438	, 008	+,019	6	+15 50 2,65	,004	, 491	— ,13
1856	Cæli Sculp. 6	3	2 22,47	2,132	, 003	——	3	—35 56 7,93	4,992	, 303	——
1857	Orionis 7	3	2 22,96	2,891	, 005	+,006	5	— 7 47 55,82	,992	, 415	— ,14
1858	Doradus ζ 5	10	2 41,70	1,020	, 012	——	14	—57 42 59,35	,963	, 144	——
1859	Orionis 7.8	4	2 52,07	2,799	, 004	+,025	4	—11 51 36,07	,948	, 400	— ,03
1860	68 Camelop. 7	3	3 1,67	9,237	, 176	—,013	4	+78 7 42,66	,934	,01307	,00
1861	Cæli Sculp. 6.7	6	3 12,90	1,926	, 004	——	6	—41 26 29,11	,920	,00277	——
1862	Leporis 7	3	3 41,14	2,794	, 004	+,007	4	—12 3 35,31	,878	, 400	+ ,06
1863	Camelop. 8	4	4 8,38	9,076	, 166	+,010	4	+77 48 20,36	,841	,01287	— ,01
1864	54 Aurigæ 7	3	4 14,65	4,426	, 020	+,009	4	+46 13 6,36	,832	,00633	— ,08
1865	Equ. Pict. 7	3	4 16,20	1,204	, 010	——	3	—55 12 22,32	,830	, 168	——
1866	13 Aurigæ α 1	69	4 30,57	4,407	, 020	+,015	112	+45 49 16,00	,810	, 630	— ,39
1867	4 Leporis ι 4	6	4 36,19	2,793	, 004	+,010	9	—12 4 24,42	,801	, 400	— ,08
1868	14 Aurigæ α 5	8	4 39,93	3,898	, 013	—,012	7	+32 29 18,13	,795	, 557	— ,08
1869	17 Orionis ρ^1 5	5	4 40,19	3,132	, 005	+,007	5	+ 2 39 30,33	,795	, 451	— ,06
1870	Columbæ τ 7	3	4 43,26	1,793	, 005	—,001	4	—44 33 0,21	,791	, 256	+ ,18
1871	Equ. Pict. 7	10	4 53,50	1,567	, 008	——	7	—49 11 23,08	,776	, 224	——
1872	Orionis 9	4	5 2,35	2,882	, 005	+,030	4	— 8 16 1,48	,764	, 414	— ,03
1873	Cæli Sculp. 7	6	5 10,78	2,308	, 004	——	6	—30 25 52,20	,754	, 329	——
1874	70 Camelop. 6.7	4	5 14,58	5,145	, 031	—,005	4	+57 55 42,43	,747	, 740	— ,02
1875	5 Leporis μ 5	10	5 31,33	2,691	, 004	+,007	6	—16 24 21,81	,723	, 385	— ,04
1876	108 Tauri 7	6	5 32,93	3,598	, 009	+,013	5	+22 5 18,72	,722	, 514	— ,03
1877	4 Leporis κ 5	6	5 36,78	2,767	, 004	+,027	5	—13 8 32,70	,716	, 397	— ,06
1878	Orionis 4	6	5 37,70	2,880	, 005	+,011	5	— 8 20 52,67	,715	, 414	— ,03
1879	19 ——— β 1	28	6 36,71	2,879	, 005	+,007	66	— 8 23 52,74	,631	, 414	— ,03
1880	18 ——— 6	5	6 54,44	3,327	, 007	+,008	5	+11 8 54,40	,605	, 477	— ,10
1881	Tauri 7	4	7 5,69	3,500	, 008	+,017	4	+18 14 54,23	,589	, 501	+ ,06
1882	Orionis 7	4	7 8,58	2,911	, 005	+,002	4	— 6 59 55,69	,586	, 420	+ ,06
1883	63 Aurigæ 5.6	2	7 21,16	3,922	, 011	+,002	4	+33 11 27,74	,568	, 562	— ,24
1884	64 ——— 6.7	6	7 27,78	3,936	, 011	+,010	6	+33 34 51,53	,558	, 563	+ ,04
1885	15 ——— λ 5	4	7 32,39	4,162	, 013	+,051	10	+39 56 38,19	,551	, 596	— ,65
1886	Equ. Pict. 8	6	7 45,82	1,559	, 007	——	5	—49 15 31,23	,532	, 223	——
1887	Tauri 7.8	2	7 45,72	3,544	, 008	+,006	4	+19 56 52,15	,532	, 508	— ,05
1888	Cæli Sculp. 7.8	2	7 55,34	2,124	, 003	+,006	4	—36 1 7,82	,519	, 304	— ,04
1889	Columbæ 7.8	3	8 0,43	2,403	, 004	+,007	4	—27 9 26,13	,512	, 344	,00
1890	66 Aurigæ 6.7	2	8 8,72	3,936	, 011	,000	2	+33 33 49,30	,500	, 564	— ,26

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s.		° ′ ″	″ +	″	″
1891	Aurigæ	8	3	5 8 31,08	+3,944	+,00011	+,002	2	+33 48 9,61	4,468	—,00559	—0,01
1892	Columbæ I	6	4	8 38,86	2,118	,003	+,006	4	—36 10 13,62	,456	,304	+,05
1893	———	6	7	8 47,51	2,403	,003	+,004	5	—27 8 0,39	,444	,345	—,10
1894	Orionis	9	4	8 56,73	2,908	,004	+,007	4	— 7 7 25,20	,430	,420	—,01
1895	Equ. Pict.	7.8	3	9 1,96	1,619	,006	——	3	—48 4 14,15	,423	,232	——
1896	70 Aurigæ	6	3	9 8,71	3,944	,011	,000	4	+33 46 37,32	,414	,565	—,10
1897	72 Camelop.	6	4	9 20,90	5,108	,028	,000	4	+57 22 22,38	,397	,736	—,04
1898	109 Tauri n	5.6	4	9 22,05	3,596	,008	+,036	5	+21 55 5,33	,396	,517	—,06
1899	———	7	6	9 29,41	3,545	,008	+,002	5	+19 57 15,06	,385	,509	—,04
1900	Orionis	9	4	9 34,33	3,381	,007	—,007	5	+13 23 8,34	,380	,486	—,04
1901	20 Orionis τ	4	13	9 35,87	2,910	,004	+,004	9	— 7 1 42,22	,375	,420	,00
1902	2 Columbæ	7	3	9 51,75	2,153	,003	+,002	7	—35 6 56,65	,352	,309	+,02
1903	Equ. Pict.	6.7	3	10 3,74	1,387	,008	——	3	—52 13 16,50	,336	,192	——
1904	Leporis	6	8	10 5,74	2,753	,004	——	5	—13 42 4,19	,333	,396	——
1905	Aurigæ ρ	6	4	10 8,19	4,232	,014	+,019	4	+41 37 50,21	,330	,604	—,06
1906	Columbæ	7	9	10 15,14	2,233	,003	——	9	—32 41 53,64	,320	,320	——
1907	———	—	—	10 ——	1,204	,009	——	—	—55 2 ——	,320	,169	——
1908	Equ. Pict.	6.7	3	10 15,96	1,153	,009	——	3	—55 45 22,70	,319	,177	——
1909	Columbæ k	6	4	10 20,90	2,200	,003	+,007	4	—33 43 22,61	,312	,315	—,08
1910	Tauri	7	6	10 34,90	3,531	,008	+,013	5	+19 24 4,98	,291	,507	—,05
1911	21 Orionis	6	6	10 34,97	3,126	,005	+,001	5	+ 2 25 7,62	,291	,452	—,08
1912	354 Tauri	6.7	4	10 38,11	3,759	,010	+,003	4	+27 46 55,30	,286	,540	—,10
1913	Aurigæ	6.7	6	10 43,29	3,807	,010	+,003	5	+29 23 38,10	,280	,547	—,11
1914	Columbæ	7	10	10 45,20	2,272	,003	——	10	—31 28 1,29	,277	,325	——
1915	Orionis	9	4	10 45,14	3,381	,007	+,008	6	+13 22 18,79	,277	,486	—,10
1916	353 Tauri	6.7	4	11 12,03	3,537	,008	+,003	4	+19 38 23,44	,239	,508	—,01
1917	Orionis	7.8	4	11 12,78	3,124	,005	+,015	3	+ 2 20 28,53	,238	,452	—,10
1918	Columbæ o	5	15	11 32,31	2,153	,003	+,014	17	—35 3 39,86	,210	,310	—,46
1919	Equ. Pict.	7	3	11 35,19	1,574	,007	——	3	—48 52 12,37	,206	,225	——
1920	———	7	3	11 51,17	1,375	,008	——	3	—52 22 2,29	,182	,196	——
1921	6 Leporis λ	4.5	10	11 58,50	2,761	,004	+,008	10	—13 21 11,04	,173	,397	—,08
1922	7 ——— ν	5.6	7	12 19,94	2,781	,004	—,011	7	—12 29 25,30	,142	,404	+,01
1923	Equ. Pict.	7	3	12 27,56	1,575	,007	——	3	—48 49 12,49	,132	,226	——
1924	———	7.8	11	12 35,35	1,523	,007	——	11	—49 46 46,70	,120	,220	——
1925	Aurigæ	8.9	4	12 37,49	3,776	,010	+,015	3	+28 18 9,15	,118	,543	—,02
1926	Aurigæ	8	4	12 44,96	5,111	,027	+,006	3	+57 18 36,65	,106	,740	,00
1927	Columbæ	6	5	12 49,48	2,388	,003	+,024	6	—27 32 36,21	,101	,341	—,05
1928	22 Aurigæ	7	5	12 56,07	3,790	,010	+,032	5	+28 46 16,69	,090	,545	—,06
1929	Orionis	5.6	5	13 6,92	3,058	,005	+,011	2	— 0 35 11,14	,076	,444	—,04
1930	22 ——— o	5.6	11	13 20,63	3,058	,005	+,016	5	— 0 33 5,06	,056	,444	—,12
1931	Orionis	var	6	13 25,25	3,149	,005	—,062	2	+ 3 24 12,80	,049	,456	+,02
1932	Aurigæ σ	6	4	13 26,79	4,066	,012	+,007	4	+37 13 19,55	,046	,585	—,08
1933	———	7	5	14 0,69	3,860	,010	+,005	5	+31 3 41,96	3,998	,555	+,09
1934	———	7	4	14 0,91	3,858	,010	+,001	5	+30 58 52,26	,998	,555	—,02
1935	110 Tauri	7	6	14 6,22	3,460	,008	+,006	5	+16 32 11,01	,991	,499	—,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
1936	23 Orionis m 5	12	5 14 9,94	+3,148	+,00005	+,003	11	+ 3 22 45,42	3,985	—,00456	—0,01
1937	Equ. Pict. 7	6	14 11,19	1,518	, 007	——	7	—49 49 44,32	,984	, 220	——
1938	—— 7	5	14 21,80	1,223	, 009	——	5	—54 38 53,62	,968	, 172	——
1939	Columbæ o² 6.7	4	14 24,80	2,158	, 003	+,020	4	—34 52 7,92	,964	, 311	— ,07
1940	Orionis 7.8	4	14 34,82	3,097	, 005	+,018	4	+ 1 7 34,51	,948	, 449	+ ,04
1941	Columbæ g 6	6	14 36,17	5,635	, 033	,000	4	+62 55 1,80	,947	, 803	— ,06
1942	111 Tauri 6	6	14 47,99	3,477	, 007	+,034	5	+17 13 22,08	,930	, 501	,00
1943	Eridani 6	9	15 0,27	2,461	, 003	+,009	5	—24 56 18,42	,913	, 354	+ ,11
1944	Cæli Sculp. 6.7	3	15 11,52	1,974	, 003	——	3	—39 55 23,86	,897	, 286	——
1945	Columbæ o³ 6.7	3	15 18,51	2,169	, 003	+,003	4	—34 30 41,67	,887	, 313	— ,04
1946	Equ. Pict. ξ 5 6	3	15 19,59	1,463	, 007	——	3	—50 47 10,46	,886	, 212	——
1947	—— χ 6.7	3	15 27,25	1,653	, 006	——	3	—47 13 2,18	,874	, 237	——
1948	—— 7	7	15 36,89	1,818	, 004	——	3	—43 42 8,48	,860	, 263	——
1949	112 Tauri β 2	27	15 52,00	3,782	, 010	+,008	69	+28 27 36,53	,839	, 545	— ,17
1950	Orionis 8.9	4	15 52,63	3,148	, 005	+,007	4	+ 3 21 34,71	,837	, 456	+ ,08
1951	Aurigæ 6	4	15 53,52	3,964	, 011	,000	3	+34 14 16,81	,837	, 571	+ ,05
1952	Equ. Pict. 7.8	3	15 56,52	1,379	, 008	——	3	—52 12 28,18	,832	, 198	——
1953	8 Leporis ξ 6	3	15 57,32	2,742	, 003	+,002	4	—14 5 17,27	,831	, 396	— ,05
1954	29 Orionis e 5.6	4	16 0,28	2,887	, 004	+,014	5	— 7 57 56,43	,827	, 417	— ,07
1955	27 —— P 5.6	5	16 5,82	3,047	, 005	+,007	5	— 1 3 22,02	,818	, 442	+ ,05
1956	28 Orionis η 4.5	12	16 11,04	3,013	, 005	+,004	10	— 2 33 19,30	,811	, 437	— ,04
1957	25 —— ψ¹ 5.6	5	16 11,25	3,110	, 005	+,015	3	+ 1 41 19,65	,811	, 451	— ,04
1958	Camelop. 7	2	16 12,72	5,631	, 033	—,009	4	+62 50 31,78	,809	, 802	— ,05
1959	24 Orionis γ 2	9	16 17,11	3,214	, 004	+,006	16	+ 6 11 38,03	,802	, 465	+ ,02
1960	—— 8	7	16 23,59	3,010	, 005	+,018	8	— 2 39 19,40	,794	, 437	— ,04
1961	Orionis 8.9	4	16 32,57	3,095	, 004	+,013	4	+ 1 1 45,88	,781	, 449	— ,05
1962	113 Tauri 6	5	16 33,97	3,461	, 006	——	1	+16 32 44,83	,778	, 498	——
1963	Columbæ 6	9	16 34,66	2,406	, 003	——	9	—26 51 56,78	,777	, 346	——
1964	Equ. Pict. 7	3	16 36,75	1,779	, 005	——	3	—44 32 13,38	,774	, 256	——
1965	Orionis 7.8	3	16 37,63	3,111	, 004	—,001	4	+ 1 46 3,55	,774	, 451	— ,11
1966	24 Aurigæ φ 6	6	16 42,99	3,968	, 010	—,007	10	+34 19 36,38	,766	, 572	,00
1967	Equ. Pict. 7	3	16 45,02	1,509	, 006	——	2	—49 56 8,19	,762	, 217	——
1968	96 Orionis 6.7	4	17 18,38	3,079	, 004	,000	4	+ 0 21 59,57	,715	, 447	— ,02
1969	Equ. Pict. 6	2	17 30,13	1,405	, 007	——	2	—51 44 17,67	,698	, 195	——
1970	115 Tauri 5.6	4	17 32,96	3,493	, 006	+,006	5	+17 48 47,53	,694	, 505	+ ,02
1971	114 Tauri o 5	9	17 43,80	3,596	, 006	+,009	10	+21 47 18,36	,677	, 519	— ,08
1972	Columbæ 6.7	4	17 57,91	2,062	, 002	+,016	4	—37 29 36,20	,657	, 300	— ,06
1973	—— 6.7	5	17 58,12	1,974	, 002	+,008	4	—39 50 9,25	,657	, 287	+ ,07
1974	Tauri 9	4	18 1,01	3,445	, 006	+,012	4	+15 53 30,98	,654	, 498	— ,04
1975	Equ. Pict. 7.8	2	18 1,57	1,489	, 006	——	2	—50 16 7,99	,654	, 215	——
1976	Leporis 7.8	4	18 3,54	2,761	, 003	+,009	3	—13 16 54,07	,651	, 400	— ,16
1977	Columbæ 7	3	18 10,49	2,165	, 003	——	3	—34 34 22,01	,641	, 315	——
1978	30 Orionis ψ² 5	12	18 11,81	3,139	, 004	+,010	8	+ 2 56 49,05	,638	, 456	+ ,03
1979	Doradus 7.8	2	18 16,31	1,091	, 008	——	2	—56 24 26,66	,633	, 154	——
1980	116 Tauri 6	5	18 17,02	3,441	, 006	+,012	5	+15 43 38,76	,630	, 497	— ,12

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
1981	76 Camelop.	6.7	4	5 18 26,31	+5,104	+,00023	+,017	4	+57 5 35,32	3,617	—,00710	—0,22
1982	117 Tauri	6	5	18 27,30	3,475	, 006	+,011	5	+17 5 40,17	,616	, 502	— ,12
1983	Leporis	8	4	18 27,85	2,766	, 003	+,007	3	—13 3 20,56	,615	, 400	+ ,19
1984	Doradus	7	2	18 31,56	0,704	, 010	——	2	—60 56 33,91	,611	, 106	——
1985	Equ. Pict.	7.8	2	18 31,56	1,231	, 007	——	2	—54 25 59,68	,611	, 192	——
1986	Tauri	7	5	18 38,78	3,455	, 006	——	5	+16 17 43,46	,599	, 499	——
1987	Orionis	6.7	4	18 41,38	3,013	, 004	,000	4	— 2 30 32,33	,596	, 438	— ,04
1988	118 Tauri	7	6	19 7,20	3,685	, 008	,000	5	+25 0 32,60	,559	, 533	,00
1989	———	8.9	4	19 9,89	3,558	, 006	+,012	4	+20 17 57,94	,555	, 514	— ,13
1990	95 Aurigæ	7.8	4	19 11,99	3,802	, 009	+,004	3	+29 2 47,82	,552	, 549	— ,07
1991	Equ. Pict.	7.8	3	19 14,15	1,528	, 006	——	3	—49 31 43,78	,549	, 220	——
1992	Leporis	6	5	19 23,78	2,790	, 003	+,035	4	—12 2 44,00	,535	, 404	— ,06
1993	Orionis	6.7	4	19 27,17	3,019	, 004	,000	4	— 2 17 26,27	,530	, 439	+ ,01
1994	———	9	5	19 48,09	2,875	, 003	+,006	4	— 8 28 18,14	,500	, 416	,00
1995	Columbæ	σ² 6.7	4	20 0,89	1,782	, 004	+,012	4	—44 22 30,46	,482	, 257	+ ,05
1996	Tauri	9	4	20 18,35	3,614	, 007	+,006	4	+22 24 7,77	,457	, 523	— ,04
1997	366 ———	7	4	20 26,86	3,561	, 006	+,002	4	+20 24 49,05	,444	, 515	— ,06
1998	Doradus	8	4	20 35,50	0,808	, 009	——	4	—59 47 15,60	,432	, 119	——
1999	367 Tauri	6.7	5	20 45,96	3,612	, 007	+,005	4	+22 19 35,86	,417	, 515	— ,02
2000	Columbæ	6.7	5	20 47,22	2,407	, 003	——	5	—26 43 33,90	,415	, 348	——
2001	Orionis	8	4	20 48,27	2,874	, 003	+,018	3	— 8 31 3,00	,414	, 416	— ,01
2002	9 Leporis	β 4	17	21 10,66	2,568	, 002	+,003	10	—20 53 47,04	,381	, 371	— ,15
2003	Orionis	9	4	21 11,50	3,041	, 004	+,020	4	— 1 19 33,14	,381	, 442	— ,19
2004	———	7.8	3	21 17,46	3,050	, 004	+,010	4	— 0 56 15,88	,372	, 444	— ,07
2005	77 Camelop.	6.7	4	21 17,90	5,778	, 032	—,002	4	+64 2 6,45	,371	, 836	— ,06
2006	31 Orionis	ι 5	10	21 21,48	3,043	, 004	+,016	10	— 1 13 42,60	,367	, 442	— ,06
2007	Equ. Pict.	7	3	21 33,32	1,333	, 007	——	3	—52 49 26,64	,350	, 189	——
2008	Columbæ	6.7	3	21 42,77	2,229	, 003	——	3	—32 33 23,06	,336	, 323	——
2009	———	6.7	4	21 47,98	1,921	, 002	+,008	5	—41 5 24,45	,329	, 280	+ ,04
2010	32 Orionis	A 5	4	21 57,51	3,205	, 004	+,010	10	+ 5 48 55,99	,315	, 465	— ,10
2011	25 Aurigæ	χ 5	19	21 59,73	3,897	, 009	+,009	14	+32 3 42,51	,313	, 564	+ ,03
2012	Tauri	8.9	4	22 10,08	3,739	, 008	+,011	4	+26 51 7,36	,297	, 542	+ ,02
2013	Equ. Pict.	6.7	3	22 16,92	1,751	, 004	——	3	—45 0 15,73	,286	, 252	——
2014	Orionis	8	4	22 25,83	3,145	, 004	+,004	4	+ 3 13 14,44	,273	, 456	— ,04
2015	102 Aurigæ	var.	4	22 30,80	3,901	, 009	+,009	4	+32 9 42,23	,266	, 564	— ,13
2016	119 Tauri	5.6	7	22 32,50	3,512	, 006	+,004	13	+18 27 52,11	,265	, 509	,00
2017	18 Columbæ	6	7	22 34,54	2,064	, 002	+,005	7	—37 22 19,33	,262	, 300	+ ,08
2018	33 Orionis	n 6	5	22 35,31	3,144	, 004	+,007	6	+ 3 9 37,46	,261	, 456	+ ,06
2019	Camelop.	6.7	7	23 3,11	4,909	, 018	—,008	7	+54 18 30,91	,220	, 716	+ ,01
2020	79 ———	7.8	3	23 30,49	5,056	, 020	+,002	8	+56 22 11,58	,181	, 740	— ,09
2021	34 Orionis	δ 2	23	23 34,84	3,061	, 004	+,006	19	— 0 25 39,60	,173	, 445	— ,02
2022	Tauri	6.7	6	23 50,50	3,561	, 006	—,003	5	+20 20 57,92	,152	, 515	— ,07
2023	120 ———	6	9	23 51,80	3,511	, 006	+,013	6	+18 24 55,03	,150	, 508	— ,04
2024	36 Orionis	υ 5	5	23 57,22	2,899	, 004	,000	4	— 7 25 44,23	,142	, 422	+ ,03
2025	10 Leporis	ο 6	5	24 4,35	2,625	, 002	+,015	5	—20 59 28,58	,133	, 371	+ ,21

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
2026	35 Orionis	u 7	5	5 24 31,92	+3,405	+,00005	+,017	6	+14 10 57,44	3,091	—,00494	—0,07
2027	Tauri	7.8	4	24 40,56	3,740	, 008	+,013	4	+26 51 21,46	,080	, 542	— ,11
2028	Orionis	7	4	24 47,73	2,963	, 004	+,007	4	— 4 41 28,19	,068	, 431	— ,05
2029	82 Camelop.	7	4	25 9,67	5,049	, 019	—,001	4	+56 15 14,82	,037	, 736	— ,20
2030	81 ———	7	4	25 11,55	5,540	, 025	—,015	4	+61 50 20,66	,036	, 795	— ,03
2031	Equ. Pict.	6.7	3	25 18,23	1,643	, 006	——	3	—47 12 18,51	,025	, 237	——
2032	Columbæ	ε 4	6	25 21,38	2,125	, 002	+,008	9	—35 35 45,75	,021	, 309	— ,12
2033	121 Tauri	6	4	25 22,80	3,657	, 007	+,011	5	+23 55 19,51	,018	, 531	— ,02
2034	11 Leporis	α 3.4	6	25 27,28	2,643	, 002	+,007	11	—17 56 46,32	,012	, 383	— ,02
2035	Aurigæ	6.7	5	25 34,55	3,760	, 008	+,002	5	+27 32 49,28	,002	, 545	— ,12
2036	38 Orionis	6	5	25 36,07	3,155	, 004	+,011	5	+ 3 38 51,11	2,998	, 459	— ,06
2037	Equ. Pict.	5.6	3	25 37,63	1,643	, 005	——	3	—47 11 58,42	,995	, 237	——
2038	Doradus	7	3	25 41,65	0,729	, 009	——	3	—60 32 40,31	,990	, 768	——
2039	37 Orionis	φ¹ 4.5	6	25 45,98	3,289	, 005	+,010	10	+ 9 22 14,03	,984	, 478	— ,07
2040	Equ. Pict.	7	3	26 2,15	1,862	, 003	——	3	—42 25 39,27	,962	, 270	——
2041	39 Orionis	λ 4	6	26 3,22	3,300	, 005	+,007	15	+ 9 49 0,79	,960	, 480	— ,09
2042	Doradus	8.9	3	26 4,62	0,704	, 009	——	3	—60 48 32,48	,956	, 770	——
2043	Orionis	7	4	26 9,16	3,292	, 005	+,012	4	+ 9 29 46,24	,951	, 478	— ,03
2044	———	6.7	9	26 15,65	2,957	, 004	+,005	8	— 4 55 22,81	,942	, 431	— ,04
2045	Tauri	7	6	26 50,77	3,740	, 007	+,011	5	+26 48 47,64	,891	, 542	— ,05
2046	27 Columbæ	6.7	12	26 55,17	1,698	, 004	—,006	7	—46 2 58,71	,886	, 245	+ ,07
2047	41 Orionis	θ¹ 6	9	27 10,05	2,944	, 004	—,007	8	— 5 30 16,67	,864	, 428	— ,02
2048	20 Columbæ	7	3	27 13,61	2,136	, 002	+,023	4	—35 15 25,56	,860	, 311	— ,03
2049	42 Orionis	c¹ 5	13	27 15,00	2,956	, 004	+,011	11	— 4 57 12,56	,857	, 431	— ,09
2050	43 ———	θ² 6	13	27 16,90	2,943	, 004	+,007	3	— 5 31 51,55	,853	, 428	— ,09
2051	Columbæ	π 6.7	4	27 19,05	2,164	, 003	+,014	4	—34 25 22,61	,851	, 315	— ,02
2052	44 Orionis	ι 3.4	5	27 21,85	2,932	, 004	—,003	8	— 6 1 26,59	,847	, 427	— ,09
2053	Camelop.	8.9	3	27 26,95	5,509	, 023	—,023	4	+61 30 13,98	,839	, 792	— ,01
2054	122 Tauri	6	4	27 29,59	3,474	, 006	+,017	5	+16 55 51,08	,836	, 505	— ,05
2055	Orionis	σ² 6	9	27 31,50	2,956	, 004	+,005	6	— 4 58 10,64	,833	, 431	+ ,04
2056	Doradus	1.0	5	27 38,17	0,576	, 009	——	5	—62 2 49,54	,822	095	——
2057	———	7.8	6	27 44,89	0,586	, 008	——	6	—61 56 56,48	,812	, 096	——
2058	123 Tauri	ζ 3.4	12	27 47,28	3,580	, 006	+,018	16	+21 2 4,28	,807	, 519	— ,06
2059	46 Orionis	ε 2.3	12	27 50,61	3,041	, 004	+,004	19	— 1 18 49,09	,804	, 444	— ,02
2060	40 ———	φ² 5	6	27 50,65	3,285	, 005	+,020	11	+ 9 11 40,68	,804	, 477	— ,25
2061	Camelop.	7	4	27 57,86	4,854	, 014	+,011	4	+53 24 11,57	,793	, 709	— ,51
2062	26 Aurigæ	l 5	6	28 2,70	3,847	, 007	+,003	5	+30 23 10,02	,787	, 558	— ,15
2063	155 Orionis	7.8	3	28 10,00	2,938	, 004	—,003	7	— 5 45 30,81	,777	, 428	+ ,01
2064	154 ———	6.7	4	28 17,60	3,277	, 005	—,006	4	+ 8 50 35,83	,765	, 477	— ,04
2065	84 Camelop.	6.7	5	28 58,32	5,499	, 021	—,017	4	+61 22 57,46	,706	, 796	— ,02
2066	85 ———	6.7	3	29 2,47	5,072	, 016	+,006	4	+56 29 2,61	,702	, 740	,00
2067	Columbæ	6	5	29 11,35	2,204	, 003	——	5	—33 11 43,13	,688	, 321	——
2068	Tauri	R 6.7	3	29 13,77	3,639	, 005	+,005	4	+23 13 13,38	,684	, 529	— ,07
2069	Columbæ	7	9	29 24,49	2,198	, 003	——	9	—33 23 0,34	,670	, 320	——
2070	159 Orionis	7	4	29 28,80	2,954	, 004	—,002	3	— 5 2 24,63	,662	, 430	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
2071	125 Tauri 6	5	5 29 30,83	+3,712	+,00006	+,017	5	+25 47 46,54	2,659	—,00539	—0,13
2072	Columbæ 6	6	29 43,29	2,342	, 003	+,004	5	—28 48 57,40	,642	, 341	+ ,01
2073	Doradus 6.7	3	29 53,88	0,613	, 008	——	3	—61 39 32,14	,626	, 090	——
2074	Aurigæ 8	4	30 9,49	3,925	, 007	+,016	3	+32 47 52,74	,604	, 569	— ,07
2075	Orionis 8.9	5	30 17,63	3,164	, 004	+,015	5	+ 4 2 16,32	,591	, 460	— ,03
2076	86 Camelop. 6.7	3	30 20,38	4,949	, 015	+,007	4	+54 46 26,74	,588	, 721	,00
2077	48 Orionis σ 4	17	30 27,89	3,009	, 004	+,007	10	— 2 42 6,31	,577	, 438	— ,09
2078	Equ. Pict. 7	3	30 28,68	1,176	, 006	——	3	—55 0 52,43	,575	, 167	——
2079	47 Orionis ω 6	13	30 28,68	3,164	, 004	+,007	10	+ 4 1 15,39	,575	, 460	— ,03
2080	Orionis 9	2	30 28,88	3,009	, 004	+,005	2	— 2 42 4,45	,575	, 438	— ,02
2081	——— 7	3	30 30,40	3,009	, 004	—,001	4	— 2 41 44,68	,574	, 438	— ,02
2082	Columbæ 7	3	30 43,57	2,137	, 003	——	3	—35 10 6,77	,556	, 311	——
2083	——— ν¹ 6	5	30 45,77	2,367	, 003	+,019	5	—27 58 21,83	,551	, 344	— ,11
2084	49 Orionis d 5	7	30 54,19	2,901	, 004	—,003	9	— 7 18 39,73	,540	, 422	— ,11
2085	——— 7	5	30 55,60	2,948	, 004	+,010	2	— 5 17 40,28	,536	, 429	+ ,01
2086	Columbæ 7	2	31 12,31	2,344	, 003	+,008	4	—28 43 41,65	,514	, 341	— ,02
2087	Orionis 6	5	31 18,11	2,980	, 004	+,009	5	— 3 39 47,18	,505	, 435	— ,05
2088	Columbæ ν² 6	6	31 18,40	2,342	, 003	+,004	5	—28 47 38,97	,505	, 341	,00
2089	Equ. Pict 5.6	3	31 34,51	1,627	, 004	——	3	—47 25 4,82	,482	, 235	——
2090	126 Tauri 5.6	6	31 45,71	3,462	, 005	+,017	6	+16 26 27,38	,464	, 504	— ,10
2091	Columbæ 7	3	31 46,63	2,029	, 002	——	3	—38 7 31,08	,462	, 297	——
2092	Tauri 6.7	4	32 5,79	3,623	, 005	—,005	4	+22 34 10,83	,435	, 526	— ,08
2093	Orionis 7	4	32 6,12	2,989	, 004	+,003	4	— 3 31 20,02	,435	, 436	— ,07
2094	Columbæ 8	2	32 7,69	2,337	, 003	—,007	4	—28 56 12,46	,432	, 340	,00
2095	Doradus β 4	6	32 12,17	0,510	, 009	——	9	—62 35 56,05	,427	, 084	——
2096	50 Orionis ζ 3	25	32 26,08	3,024	, 004	+,002	20	— 2 2 10,70	,406	, 441	— ,03
2097	Camelop h 6.7	4	32 36,18	5,042	, 015	+,004	4	+56 2 10,85	,391	, 736	— ,07
2098	Orionis 8	3	32 42,91	3,518	, 005	—,003	3	+18 35 58,58	,382	, 511	+ ,05
2099	——— 9	4	32 46,52	3,526	, 005	+,013	2	+18 53 55,46	,377	, 513	— ,20
2100	89 Camelop 7	4	32 50,45	5,104	, 015	+,011	4	+56 50 39,34	,371	, 745	— ,15
2101	Calumbæ 9	2	32 53,83	2,310	, 003	+,026	4	—29 48 37,11	,366	, 336	— ,18
2102	Aurigæ o 6.7	3	33 8,13	4,640	, 011	+,025	4	+49 44 37,53	,345	, 675	— ,07
2103	Doradus 6	3	33 9,78	0,647	, 008	——	3	—61 16 43,16	,343	, 093	——
2104	393 Tauri 6.7	4	33 11,65	3,526	, 005	+,012	5	+18 53 34,47	,340	, 513	— ,06
2105	Doradus 8.9	6	33 14,28	0,675	, 008	——	7	—60 59 45,84	,337	, 092	——
2106	394 Tauri 6.7	4	33 18,53	3,638	, 005	+,005	3	+23 7 5,12	,331	, 529	— ,05
2107	32 Columbæ 6.7	4	33 25,84	1,924	, 002	+,004	4	—40 48 14,94	,319	, 282	— ,05
2108	Tauri 7	10	33 36,33	3,405	, 005	——	8	+14 5 31,58	,304	, 496	——
2109	Columbæ α 2	25	33 40,65	2,169	, 003	+,010	47	—34 9 59,61	,297	, 317	— ,03
2110	29 Columbæ 6.7	4	33 43,96	2,218	, 003	+,005	4	—32 43 14,10	,292	, 323	+ ,01
2111	Equ. Pict 7	4	33 44,06	1,605	, 004	——	4	—47 48 39,51	,292	, 233	——
2112	51 Orionis b 6	6	33 56,85	3,103	, 004	—,005	5	+ 1 23 16,79	,274	, 453	— ,09
2113	Columbæ 7	2	34 12,52	1,925	, 002	——	2	—40 46 37,95	,253	, 282	——
2114	Orionis 8.9	3	34 35,28	3,522	, 005	+,013	4	+18 45 8,20	,219	, 513	— ,02
2115	——— 6.7	4	34 48,55	3,032	, 004	—,002	4	— 1 41 45,44	,200	, 447	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
2116	Equ. Pict. 7	5	5 35 13,04	+1,169	+,00006	——	5	—55 2 47,62	2,165	—,00167	——
2117	12 Leporis 6	6	35 17,58	2,521	, 003	+,018	1	—22 27 34,63	,158	, 370	—0,07
2118	128 Tauri M 6	6	35 23,01	3,452	, 004	+,019	5	+16 0 28,51	,149	, 503	— .02
2119	Leporis ρ^1 7	3	35 25,09	2,192	, 002	+,023	4	—33 29 11,62	,147	, 319	+ ,01
2120	396 Tauri 7	4	35 30,48	3,519	, 004	+,006	4	+18 37 32,64	,140	, 512	+ ,05
2121	Camelop. 9	4	35 33,79	4,899	, 012	+,012	2	+53 57 42,20	,136	, 718	+ ,02
2122	Columbæ ι 7	3	35 54,52	2,284	, 002	+,004	4	—30 37 11,14	,106	, 337	+ ,05
2123	Doradus 8.9	3	36 15,95	0,613	, 007	——	3	—61 35 9,99	,074	, 095	——
2124	183 Orionis 6	4	36 19,52	3,162	, 003	,008	4	+3 55 55,28	,069	, 461	— ,03
2125	35 Columbæ 6.7	3	36 20,49	2,148	, 002	—,016	4	—34 45 9,50	,067	, 313	+ ,07
2126	Camelop. k 6.7	4	36 29,77	5,107	, 013	+,006	4	+56 51 10,46	,053	, 748	— ,20
2127	Doradus 8	3	36 39,32	0,645	, 007	——	3	—61 15 28,16	,041	, 099	——
2128	397 Tauri 6.7	3	37 8,74	3,561	, 004	+,012	4	+20 12 35,74	1,997	, 518	— ,07
2129	Columbæ ρ^2 7	3	37 13,14	2,191	, 002	+,016	4	—33 30 15,46	,991	, 319	+ ,03
2130	129 Tauri 6	6	37 16,34	3,446	, 003	+,013	5	+15 45 3,01	,987	, 505	— ,09
2131	134 Aurigæ 6.7	3	37 23,57	4,167	, 007	—,007	5	+39 28 0,28	,975	, 606	— ,14
2132	13 Leporis γ 4	21	37 35,28	2,520	, 003	—,011	13	—22 30 24,82	,959	, 367	— ,33
2133	Aurigæ τ 7	3	37 44,72	4,153	, 007	—,011	4	+39 6 56,13	,944	, 604	— ,09
2134	91 Camelop. 6	4	37 44,86	5,277	, 013	+,003	4	+58 54 17,19	,944	, 770	— ,02
2135	399 Tauri 6.7	2	37 48,23	3,681	, 004	—,002	4	+24 37 8,40	,940	, 537	+ ,03
2136	130 Tauri N 6	5	37 49,23	3,495	, 003	+,006	7	+17 39 36,22	,939	, 510	— ,06
2137	131 —— O 6	6	37 49,37	3,413	, 003	,000	6	+14 25 12,74	,939	, 499	— ,06
2138	Equ. Pict. 7.8	4	37 53,23	1,202	, 004	——	4	—54 32 39,25	,932	, 172	——
2139	Columbæ 6.7	4	38 3,57	1,975	, 002	+,004	4	—39 29 2,73	,918	, 290	,00
2140	Orionis 9	3	38 4,22	3,444	, 003	+,010	4	+15 39 9,44	,917	, 502	— ,08
2141	192 Orionis 6	4	38 4,64	3,097	, 003	+,007	4	+ 1 6 16,03	,914	, 452	— ,10
2142	133 Tauri 6	5	38 21,61	3,399	, 003	+,010	7	+13 49 55,86	,890	, 496	— ,12
2143	191 Orionis 6.7	4	38 31,88	3,577	, 003	+,015	4	+20 48 14,13	,876	, 520	— ,06
2144	132 Tauri B 5	12	38 53,58	3,678	, 004	+,018	14	+24 30 17,27	,845	, 536	— ,02
2145	Columbæ ε 6.7	4	39 0,50	1,696	, 003	+,013	4	—45 54 43,59	,835	, 246	— ,27
2146	Equ. Pict. 8	3	39 1,25	1,706	, 003	——	3	—45 41 47,21	,834	, 247	——
2147	—— 7.8	5	39 4,43	1,701	, 003	——	5	—45 48 57,13	,830	, 247	——
2148	52 Orionis 6	4	39 8,54	3,220	, 003	+,014	6	+ 6 23 21,01	,823	, 470	— ,12
2149	Aurigæ 8	3	39 12,33	3,894	, 005	+,003	4	+31 43 28,83	,817	, 568	— ,03
2150	Equ. Pict. 7	3	39 20,91	1,489	, 004	——	3	—49 55 4,00	,804	, 217	——
2151	14 Leporis ζ 4.5	13	39 28,89	2,717	, 003	+,011	10	—14 53 21,37	,792	, 396	— ,05
2152	Aurigæ υ 5.6	4	39 47,42	4,084	, 006	+,011	4	+37 14 56,26	,767	, 595	— ,12
2153	Columbæ μ 5	4	39 52,28	2,227	, 002	+,012	10	—32 22 25,13	,760	, 325	— ,03
2154	53 Orionis κ 3	8	39 55,95	2,842	, 003	+,007	9	—9 44 3,27	,753	, 414	— ,09
2155	Columbæ 7	3	39 57,98	1,977	, 002	——	3	—39 22 59,38	,751	, 289	——
2156	32 Aurigæ ν 5	6	40 3,38	4,153	, 006	+,007	7	+39 5 28,42	,744	, 604	+ ,05
2157	Tauri 8.9	3	40 4,58	3,400	, 003	+,019	4	+13 51 40,94	,743	, 496	— ,05
2158	31 Camelop. 5	6	40 11,61	5,363	, 012	+,014	5	+59 50 21,68	,730	, 780	— ,05
2159	134 Tauri P 5.6	5	40 16,97	3,369	, 003	+,017	5	+12 35 32,75	,722	, 492	— ,08
2160	—— 7	5	40 34,45	3,777	, 005	,008	5	+27 54 35,24	,699	, 550	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
2161	142 Aurigæ 6.7	4	5 40 40,67	+3,906	+,00005	+,028	4	+32 4 7,12	1,688	—,00569	—0,05
2162	Columbæ 6.7	4	40 47,59	2,386	, 002	+,008	4	—27 11 50,29	,679	, 348	+ ,03
2163	Orionis 6	4	40 57,46	3,302	, 003	+,027	4	+ 9 48 47,58	,664	, 482	— ,05
2164	30 Aurigæ ξ 5	6	41 1,41	5,021	, 010	,000	4	+55 39 25,21	,659	, 735	— ,12
2165	135 Tauri 6	6	41 5,91	3,409	, 003	+,021	6	+14 15 1,79	,651	, 498	— ,14
2166	Equ. Pict. 7	3	41 9,80	1,112	, 005	——	3	—55 45 59,38	,646	, 159	——
2167	Tauri 7	5	41 25,09	3,413	, 003	+,004	5	+14 23 18,04	,623	, 499	— ,08
2168	——— 7	4	41 29,28	3,404	, 003	+,031	4	+13 59 28,65	,617	, 497	— ,10
2169	145 Aurigæ 6	4	41 44,97	3,966	, 005	+,005	4	+33 51 55,47	,595	, 578	— ,05
2170	Equ. Pict. 5.6	3	41 54,03	1,658	, 003	——	3	—46 39 39,53	,582	, 240	——
2171	Orionis 8	4	42 7,47	3,542	, 003	+,009	4	+19 28 10,83	,563	, 516	,00
2172	Equ. Pict. 7.8	5	42 12,13	1,110	, 005	——	3	—55 47 19,80	,555	, 159	——
2173	Columbæ. 6.7	6	42 18,45	2,189	, 002	——	3	—33 29 18,15	,546	, 319	——
2174	36 ——— 7	10	42 18,50	1,885	, 002	+,006	4	—41 39 1,28	,546	, 276	— ,11
2175	Equ. Pict. 7	8	42 25,93	1,121	, 005	——	8	—55 38 29,99	,534	, 161	——
2176	136 Tauri C 4.5	18	42 57,58	3,767	, 005	+,009	16	+27 33 55,05	,490	, 548	— ,02
2177	137 ——— D 6	5	43 0,21	3,406	, 003	+,011	6	+14 7 21,38	,486	, 498	— ,02
2178	Leporis 6	5	43 0,38	2,504	, 003	+,015	4	—23 1 38,77	,486	, 365	+ ,01
2179	Doradus 10	2	43 18,97	0,667	, 006	——	2	—60 58 49,29	,458	, 103	——
2180	Equ. Pict. 7	5	43 22,52	1,094	, 005	——	5	—55 59 48,60	,454	, 156	——
2181	Equ. Pict. β 5.6	3	43 22,62	1,416	, 004	——	3	—51 7 44,55	,454	, 205	——
2182	55 Orionis 6	8	43 24,22	2,894	, 003	+,006	5	— 7 34 5,30	,450	, 422	+ ,04
2183	203 ——— var	4	43 30,79	3,563	, 003	+,009	5	+20 15 10,61	,442	, 519	— ,08
2184	Doradus 6.7	7	43 35,26	0,686	, 006	——	7	—60 47 3,68	,436	, 104	——
2185	Orionis 7	3	43 36,46	3,215	, 003	+,025	4	+ 6 9 46,33	,435	, 470	— ,01
2186	Columbæ 7	3	43 37,54	2,280	, 002	——	3	—30 40 26,53	,434	, 333	——
2187	96 Camelop. 6.7	5	43 41,48	6,211	, 014	—,027	4	+66 59 3,06	,427	, 905	— ,06
2188	98 ——— 7	5	43 51,24	5,020	, 008	+,010	4	+55 37 8,00	,412	, 735	— ,10
2189	56 Orionis 5.6	5	43 52,70	3,113	, 003	+,012	5	+ 1 48 29,47	,409	, 453	— ,03
2190	15 Leporis δ 5	9	44 13,58	2,562	, 003	—,010	10	—20 53 53,40	,380	, 373	— ,64
2191	Doradus 6.7	8	44 15,73	0,635	, 005	——	12	—61 17 24,72	,376	, 099	——
2192	Aurigæ 6.7	7	44 16,43	3,894	, 005	—,004	5	+31 40 5,78	,376	, 567	— ,17
2193	Orionis 9	4	44 19,39	3,400	, 003	+,011	4	+13 50 50,32	,371	, 496	— ,03
2194	Equ. Pict. 7	5	44 19,83	1,672	, 003	——	5	—46 22 11,74	,369	, 242	——
2195	Doradus δ 5	6	44 29,46	0,102	, 005	——	6	—65 47 50,89	,356	, 015	——
2196	Leporis 9	4	44 34,20	2,562	, 003	+,019	2	—20 53 10,76	,350	, 373	— ,27
2197	Orionis 7	3	44 35,66	3,216	, 003	+,010	4	+ 6 12 41,18	,347	, 470	— ,11
2198	54 ——— χ^1 5	11	44 36,88	3,563	, 003	—,004	16	+20 14 18,06	,346	, 519	— ,10
2199	Columbæ 7	3	44 46,79	1,740	, 003	——	3	—44 55 38,40	,330	, 252	——
2200	——— β 3	9	45 8,82	2,107	, 002	+,005	13	—35 50 5,39	,298	, 307	+ ,32
2201	57 Orionis χ^2 6	4	45 10,77	3,549	, 003	+ ,001	5	+19 42 36,79	,294	, 517	— ,06
2202	99 Camelop. 7	8	45 12,71	6,196	, 017	—,013	3	+66 52 28,34	,292	, 902	— ,12
2203	33 Aurigæ δ 3.4	4	45 56,72	4,926	, 007	+,021	5	+54 15 40,92	,228	, 723	— ,10
2204	100 Camelop. 6.7	4	46 0,33	4,999	, 007	+,003	4	+55 17 46,02	,224	, 733	— ,09
2205	154 Aurigæ 6.7	4	46 5,03	3,807	, 004	+,002	4	+28 54 26,81	,216	, 554	— ,04

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
2206	Columbæ	8.9	5	5 46 9,40	+2,103	+,00002	+,010	3	—35 57 12,47	1,211	—,00307	—01,0
2207	58 Orionis	α 1	80	46 14,46	3,244	, 003	+,006	118	+ 7 22 10,59	,201	, 474	+ 0,2
2208	Equ. Pict.	9	6	46 22,71	0,638	, 005	——	6	—61 15 18,88	,189	, 094	——
2209	Columbæ	6.7	3	46 40,87	1,904	, 002	——	3	—41 8 54,21	,165	, 279	——
2210	Equ. Pict.	γ 5.6	3	46 50,29	1,076	, 004	——	3	—56 12 37,67	,151	, 168	——
2211	Equ. Pict.	6	3	46 52,32	1,311	, 003	——	3	—52 48 51,01	,149	, 190	——
2212	Columbæ	δ¹ 6.7	5	46 56,00	2,040	, 001	+,002	4	—37 40 14,19	,142	, 298	+ ,09
2213	——	λ 6	3	47 7,24	2,176	, 002	—,007	4	—33 50 32,43	,127	, 318	+ ,01
2214	Equ. Pict.	5	3	47 9,49	1,353	, 003	——	3	—52 8 56,54	,124	, 196	——
2215	48 Columbæ	6	3	47 16,40	2,006	, 001	+,002	4	—38 33 56,36	,114	, 294	+ ,03
2216	Orionis	7.8	4	47 24,88	3,536	, 002	+,002	1	+19 11 8,51	,100	, 515	— ,14
2217	34 Aurigæ	β 2	6	47 25,57	4,403	, 004	+,003	14	+44 55 16,41	,100	, 644	— ,04
2218	35 ——	π 5	6	47 41,56	4,450	, 004	+,009	5	+45 54 45,30	,078	, 650	— ,01
2219	Equ. Pict.	7	8	47 42,35	0,689	, 004	——	8	—60 43 19,42	,077	, 103	——
2220	139 Tauri	5.6	9	47 45,58	3,720	, 002	—,002	4	+25 55 31,02	,072	, 541	— ,04
2221	Equ. Pict.	8.9	3	47 55,01	0,676	, 004	——	3	—60 51 11,64	,058	, 102	——
2222	162 Aurigæ	6.7	4	48 27,55	4,548	, 004	+,008	4	+47 52 52,82	,010	, 664	— ,07
2223	37 ——	θ 4	20	48 28,23	4,084	, 004	+,013	12	+37 11 32,79	,009	, 596	— ,17
2224	——	8	2	48 43,70	3,767	, 003	+,004	4	+27 32 15,72	0,985	, 548	— ,03
2225	Equ. Pict.	7.8	5	48 47,51	1,587	, 003	——	5	—47 59 31,84	,981	, 231	——
2226	Columbæ	8	3	48 53,51	1,894	, 001	——	3	—41 22 38,81	,972	, 277	——
2227	16 Leporis	η 4	12	48 53,66	2,733	, 002	+,010	10	—14 12 12,34	,971	, 499	+ ,03
2228	Doradus	10	8	49 12,65	0,614	, 005	——	8	—61 27 54,95	,943	, 093	——
2229	Equ. Pict.	7.8	3	49 23,88	1,052	, 004	——	3	—56 29 58,53	,926	, 150	——
2230	——	8.9	7	49 29,77	1,286	, 003	——	3	—52 32 57,87	,918	, 192	——
2231	51 Columbæ	6.7	4	49 30,79	1,951	, 001	+,008	4	—39 59 25,19	,917	, 287	+ ,03
2232	Equ. Pict.	6	3	49 34,62	1,000	, 004	——	3	—57 11 19,00	,912	, 142	——
2233	Orionis	7.8	4	49 39,70	3,114	, 003	+,024	4	+ 1 49 57,40	,905	, 454	— ,03
2234	Columbæ	σ 6.7	4	49 47,46	2,250	, 002	+,016	4	—31 33 39,21	,894	, 329	+ ,12
2235	——	δ² 6	3	49 49,47	2,059	, 001	+,004	4	—37 8 58,79	,892	, 306	— ,15
2236	59 Orionis	6	6	49 50,31	3,113	, 003	+,011	5	+ 1 48 47,60	,889	, 454	— ,15
2237	166 Aurigæ	6	4	49 59,21	4,658	, 004	—,003	4	+49 53 46,42	,876	, 678	+ ,28
2238	Doradus	ε 5	9	50 4,08	—0,068	, 007	——	13	—66 56 32,59	,870	+,00010	——
2239	Orionis	9	4	50 8,07	+3,348	, 002	+,009	4	+11 44 30,44	,863	—,00490	+ ,01
2240	Columbæ	τ 6.7	3	50 8,72	2,255	, 002	+,009	4	—31 24 33,08	,862	, 330	+ ,03
2241	60 Orionis	B 6	6	50 20,74	3,083	, 003	+,014	5	+ 0 31 51,79	,844	, 450	— ,04
2242	Tauri	Q¹ 6	4	50 28,25	3,635	, 002	+,009	4	+22 52 54,33	,834	, 531	— ,09
2243	Equ. Pict.	6.7	3	50 33,89	1,498	, 003	——	3	—49 39 25,81	,826	, 221	——
2244	Aurigæ	7	7	50 38,42	3,768	, 003	+,004	5	+27 33 21,68	,819	, 549	,00
2245	Columbæ	6.7	3	50 39,93	2,236	, 002	——	3	—32 0 5,02	,817	, 327	——
2246	Monocer.	A¹ 6.7	4	51 10,45	2,850	, 003	+,006	4	— 9 24 7,70	,773	, 415	— ,01
2247	Equ. Pict.	6.7	3	51 12,55	1,319	, 003	——	3	—52 40 28,35	,769	, 189	——
2248	2 Monocer.	A² 5.6	6	51 14,42	2,846	, 003	+,013	5	— 9 34 31,83	,766	, 415	— ,09
2249	Camelop.	n 7.8	9	51 24,11	4,755	, 004	—,003	9	+51 34 1,55	,751	, 696	— ,04
2250	Aurigæ	c¹ 6.7	6	51 24,44	4,313	, 004	+,013	4	+42 54 27,74	,751	, 630	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	+ ″	″	″
2251	Equ. Pict. 7	3	5 51 40,00	+0,572	+,00005	——	3	—61 52 12,25	0,732	—,00087	——
2252	Columbæ γ 4	21	51 41,31	2,125	, 002	+,005	10	—35 18 20,08	,728	, 310	—0,01
2253	Equ. Pict. 9.10	3	51 43,36	0,616	, 004	——	3	—61 25 56,91	,726	, 093	——
2254	141 Tauri Q² 6	8	51 43,88	3,621	, 002	+,009	5	+22 23 18,02	,723	, 529	— ,13
2255	Orionis 7	4	52 52,29	3,145	, 003	+,009	4	+ 3 10 33,44	,624	, 460	— ,05
2256	Equ. Pict. 7.8	3	52 57,75	1,048	, 004	——	3	—56 32 50,16	,615	, 150	——
2257	——— 8	3	53 2,85	1,045	, 004	——	3	—56 34 41,32	,608	, 150	——
2258	Aurigæ C² 6.7	2	53 11,37	4,317	, 003	—,005	4	+42 59 3,59	,595	, 631	— ,35
2259	61 Orionis μ 5	18	53 18,45	3,298	, 002	+,017	15	+ 9 38 25,22	,585	, 482	+ ,02
2260	——— 8	4	53 20,23	3,497	, 002	+,015	4	+17 39 31,19	,582	, 510	+ ,05
2261	Geminor. 8	4	53 38,82	3,769	, 002	+,012	2	+27 34 3,65	,556	, 549	+ ,01
2262	Orionis 8	4	53 39,34	3,251	, 002	+,015	4	+ 7 41 29,66	,556	, 476	— ,10
2263	64 ——— χ⁴ 5.6	6	53 41,40	3,549	, 002	—,006	5	+19 41 9,46	,553	, 518	— ,07
2264	178 Aurigæ 6.7	4	53 43,51	4,114	, 003	,000	4	+37 57 41,94	,551	, 600	— ,06
2265	46 Columbæ 6	4	53 44,17	1,778	, 002	+,010	4	—44 3 2,24	,548	, 259	— ,26
2266	7 Geminor. 7	4	54 0,29	3,707	, 002	+,015	5	+25 26 31,65	,525	, 541	— ,08
2267	3 Monocer 5.6	6	54 4,80	2,821	, 003	+,007	4	—10 36 21,05	,517	, 411	+ ,04
2268	1 Geminor. H 5	12	54 5,66	3,646	, 002	+,012	16	+23 15 51,99	,516	, 532	— ,15
2269	Columbæ υ 5.6	3	54 5,74	1,832	, 001	,000	4	—42 49 41,13	,516	, 268	— ,01
2270	62 Orionis χ³ 5	9	54 7,30	3,561	, 002	+,003	9	+20 8 5,44	,515	, 520	— ,01
2271	Equ. Pict. 8	6	54 10,23	1,320	, 003	——	6	—52 38 3,51	,511	, 191	——
2272	Monocer. 7	4	54 12,02	2,900	, 002	+,012	4	— 7 17 38,20	,507	, 423	+ ,27
2273	248 Orionis 7.8	3	54 13,65	3,250	, 002	+,006	8	+ 7 37 19,14	,504	, 475	— ,04
2274	Equ. Pict. 7.8	7	54 26,78	0,612	, 004	——	6	—61 28 5,85	,485	, 092	——
2275	——— 7.8	3	55 4,99	1,310	, 003	——	3	—52 48 17,38	,430	, 189	——
2276	Epu. Pict. 7.8	6	55 9,19	1,318	, 003	——	6	—52 39 57,72	,425	, 191	——
2277	——— 7	3	55 9,75	1,406	, 003	——	3	—51 14 6,56	,424	, 205	——
2278	Columbæ φ 6	3	55 17,66	2,172	, 002	+,015	4	—33 55 3,64	,411	, 318	,01
2279	Equ. Pict. 7	8	55 24,28	1,779	, 002	——	8	—44 0 49,23	,402	, 259	——
2280	Camelop. o 6.7	4	55 25,28	5,292	, 003	+,011	4	+58 56 42,85	,401	, 774	,00
2281	Orionis 8.9	4	55 42,52	3,440	, 001	+,001	4	+15 27 5,66	,377	, 503	,00
2282	Geminor. 8	2	56 7,15	3,738	, 002	+,013	4	+26 31 52,15	,340	, 545	— ,01
2283	Orionis 6.7	4	56 10,37	3,198	, 001	—,003	4	+ 5 25 21,43	,336	, 465	,00
2284	Aurigæ 7.8	4	56 11,75	4,119	, 002	+,006	4	+38 5 23,78	,332	, 601	— ,07
2285	107 Camelop. 6	3	56 14,66	6,037	, 004	—,006	4	+65 44 14,88	,328	, 880	— ,08
2286	66 Orionis C 6	6	56 15,38	3,167	, 001	+,008	6	+ 4 9 42,80	,328	, 464	+ ,03
2287	109 Camelop. 6.7	4	56 16,89	5,313	, 003	,000	4	+59 11 3,30	,324	, 776	+ ,05
2288	Leporis 5.6	6	56 36,96	2,411	, 002	+,017	4	—26 17 20,86	,298	, 352	— ,01
2289	Orionis 7.8	4	56 45,12	3,367	, 001	+,013	4	+12 29 7,87	,285	, 493	— ,03
2290	2 Geminor. 6.7	6	56 45,16	3,657	, 001	+,006	4	+23 38 44,53	,285	, 534	— ,19
2291	Equ. Pict. 7	4	56 57,42	1,407	, 002	——	4	—51 13 28,81	,267	, 205	——
2292	Geminor. 7.8	2	57 2,22	3,743	, 001	+,006	3	+26 41 26,66	,260	, 546	— ,05
2293	Orionis 7	5	57 13,51	3,443	, 001	+,009	5	+15 33 17,21	,244	, 503	— ,08
2294	Equ. Pict. 8	4	57 21,71	1,154	, 001	——	4	—55 5 30,70	,231	, 165	——
2295	17 Leporis ρ 5.6	7	57 37,57	2,675	, 001	+,011	5	—16 28 44,58	,210	, 390	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
2296	5 Monocer. 6.7	4	5 57 39,59	+2,830	+,00003	,000	4	—10 14 13,21	0,206	—,00412	+0,07
2297	Equ. Pict. 7	4	57 42,61	1,165	, 002	——	4	—54 57 18,57	,201	, 175	——
2298	—— 8	6	57 42,95	0,709	, 003	——	6	—60 29 22,36	,200	, 107	——
2299	Canis Major. 8	4	57 44,54	2,320	, 002	——	4	—29 20 7,37	,198	, 339	——
2300	12 Geminor. 7	4	57 47,46	3,632	, 001	+,011	4	+22 43 8,41	,194	, 530	+ ,02
2301	Equ. Pict. 7	4	58 2,83	0,926	, 003	——	3	—58 6 20,73	,171	, 133	——
2302	67 Orionis ν 4.5	31	58 9,17	3,424	, 001	+,014	30	+14 46 51,59	,162	, 501	— ,12
2303	Equ. Pict. 8	2	58 30,27	0,708	, 003	——	2	—60 29 32,20	,131	, 107	——
2304	18 Leporis θ 4.5	14	58 41,40	2,714	, 003	+,003	11	—14 55 33,78	,114	, 396	+ ,11
2305	Camelop. 7	3	58 47,49	6,649	, 000	,000	4	+69 30 35,26	,106	, 964	,00
2306	191 Aurigæ 6.7	3	58 58,25	4,595	, 000	+,015	5	+48 44 3,99	,089	, 671	— ,05
2307	1.41 —— 7	4	58 58,52	4,595	, 000	+,026	2	+48 44 13,23	,089	, 671	— ,04
2308	Equ. Pict. —	—	59 ——	0,877	, 003	——	—	—58 38 ——	,087	, 127	——
2309	Monocer. D¹ 7	4	59 8,53	2,807	, 003	+,007	4	—11 9 39,65	,074	, 409	+ ,01
2310	Equ. Pict. 7	14	59 17,13	0,709	, 003	——	14	—60 29 5,49	,062	, 107	——
2311	Equ. Pict. 7	3	59 19,98	1,258	, 002	——	3	—53 34 43,81	,057	, 181	——
2312	Tauri 6.7	6	59 35,58	3,617	, 001	,000	5	+22 12 31,79	,035	, 528	+ ,01
2313	2 Canis Major. 6	7	59 39,40	2,501	, 003	—,005	9	—23 5 50,04	,031	, 365	— ,10
2314	3 Geminor. 6	8	59 42,81	3,642	, 001	+,009	5	+23 7 56,79	,025	, 531	— ,06
2315	Columbæ 6.7	5	59 43,72	1,732	, 001	+,008	4	—45 2 22,17	,023	, 252	+ ,17
2316	Columbæ 6	3	59 44,59	2,307	, 001	——	3	—29 44 40,60	,022	, 337	——
2317	52 —— 7	3	59 45,43	1,725	, 001	+,002	4	—45 11 16,01	,022	, 250	— ,08
2318	—— ρ 6.7	3	59 55,77	1,730	, 001	+,009	4	—45 4 51,76	,005	, 252	+ ,36
2319	Leporis 7.8	4	59 59,03	2,502	, 001	+,007	4	—23 4 44,31	,001	, 365	— ,01
2320	Equ. Pict. 6	5	6 0 5,77	0,747	, 001	——	4	—60 5 33,00	—0,009	, 111	——
2321	Equ. Pict. 7	3	0 6,58	1,415	, 001	——	3	—51 5 25,56	,010	, 207	——
2322	—— —	—	0 ——	1,305	, 001	——	—	—52 51 ——	,018	, 188	——
2323	—— 8	3	0 24,26	1,310	, 001	——	3	—52 47 8,30	,035	, 188	——
2324	4 Geminor. 7	3	0 29,42	3,639	, 001	+,015	5	+23 1 12,03	,043	, 531	— ,07
2325	Equ. Pict. 6	4	0 30,55	1,562	—, 001	——	4	—48 26 45,84	,045	, 228	——
2326	19 Leporis τ 6	6	0 31,05	2,607	, 001	+,011	5	—19 9 8,22	,045	, 380	+ ,03
2327	Equ. Pict. 7.8	9	0 36,91	1,304	, 001	——	9	—52 53 4,35	,053	, 188	——
2328	Camelop. 5	6	0 39,06	6,622	, 002	+,006	10	+69 21 49,77	,056	, 963	— ,10
2329	4 Monocer. D² 6	2	0 41,75	2,807	, 001	——	4	—11 7 38,77	,061	, 409	——
2330	40 Camelop. 5	6	0 50,91	5,390	, 001	+,011	9	+60 1 57,61	,074	, 787	— ,07
2331	Equ. Pict. 9	3	1 2,74	0,695	, 002	——	6	—60 38 10,70	,091	, 101	——
2332	—— 7	3	1 6,12	1,206	, 002	——	3	—54 22 24,38	,096	, 170	——
2333	62 Columbæ 6.7	3	1 7,29	2,159	, 002	+,010	4	—34 17 44,28	,097	, 316	+ ,01
2334	Camelop. 6.7	4	1 17,16	6,669	, 002	—,007	4	+69 36 45,61	,112	, 972	— ,03
2335	5 Geminor. 7	10	1 25,01	3,679	, 001	+,003	9	+24 26 55,69	,112	, 537	— ,12
2336	Camelop. 8	4	1 27,08	5,319	, 001	—,012	4	+59 15 4,75	,127	, 779	,00
2337	Equ. Pict. 7	3	1 31,16	1,696	, 001	——	3	—45 47 51,18	,132	, 247	——
2338	Columbæ π¹ 6.7	6	1 35,55	1,855	, 001	—,025	4	—42 16 55,70	,140	, 271	— ,01
2339	—— 8	5	1 36,75	2,063	, 001	+,003	4	—37 1 4,42	,141	, 302	+ ,08
2340	—— 7.8	7	1 39,44	2,057	, 001	,00	15	—37 10 52,99	,144	, 301	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2341	Columbæ θ 5	11	6 1 52,34	+2,055	—,00001	+,015	9	—37 14 1,78	0,162	—,00301	+0,04
2342	Equ. Pict. 7	3	1 56,70	1,203	, 002	——	3	—54 23 38,93	,171	, 170	——
2343	——— 10	3	2 9,03	0,773	, 003	——	3	—59 48 28,87	,189	, 115	——
2344	Columbæ 6.7	4	2 14,96	1,731	, 001	+,007	4	—45 4 29,75	,197	, 252	,00
2345	68 Orionis E¹ 6	4	2 15,09	3,553	, 001	+,020	5	+19 49 9,93	,197	, 518	— ,12
2346	6 Geminor. 6.7	5	2 18,68	3,637	, 001	+,010	5	+22 56 17,19	,202	, 531	— ,04
2347	Columbæ 6.7	3	2 24,36	1,677	, 002	——	3	—46 11 8,40	,210	, 243	——
2348	69 Orionis f¹ 6	5	2 32,50	3,459	, 001	+,015	6	+16 9 36,18	,222	, 506	— ,13
2349	70 ——— ξ 5	14	2 33,50	3,407	, 001	+,008	9	+14 14 19,33	,223	, 499	— ,02
2350	Equ. Pict. 7	3	2 35,35	0,700	, 003	——	6	—60 35 18,67	,227	, 102	——
2351	Equ. Pict. 7	3	2 37,05	1,341	, 002	——	3	—52 18 14,88	,229	, 193	——
2352	Aurigæ 8	3	2 40,26	4,477	, 000	—,001	4	+46 25 52,97	,233	, 655	,00
2353	1 Lyncis α 5	6	2 41,54	5,539	, 001	+,006	9	+61 33 23,40	,237	, 808	+ ,02
2354	Columbæ π² 6	3	2 45,64	1,859	, 001	+,014	4	—42 7 55,98	,242	, 272	+ ,07
2355	——— ρ¹ 6.7	4	2 58,49	1,747	, 001	+,005	4	—44 42 31,25	,260	, 254	— ,02
2356	Columbæ 7.8	3	3 6,03	1,759	, 001	——	3	—44 27 22,68	,272	, 256	——
2357	——— ρ² 6.7	4	3 43,37	1,765	, 001	,000	4	—44 19 54,15	,325	, 256	,00
2358	Canis Major. —	—	3 ——	2,227	, 002	——	—	—32 16 ——	,350	, 326	——
2359	——— 6	6	4 0,87	2,386	, 002	+,014	5	—27 7 21,58	,351	, 349	— ,03
2360	Geminor. 9	8	4 4,13	3,667	, 001	+,021	7	+24 1 25,93	,355	, 535	— ,09
2361	Geminor. 8.9	2	4 5,56	3,666	, 001	+,048	6	+23 59 29,07	,358	, 535	— ,08
2362	Equ. Pict. 7	3	4 7,24	0,585	, 002	——	3	—61 43 43,87	,360	, 086	——
2363	Lyncis 8	3	4 20,75	5,350	, 003	+,008	4	+59 36 29,45	,381	, 782	— ,06
2364	Argus 7	3	4 31,98	1,869	, 001	——	3	—41 57 9,97	,397	, 273	——
2365	Canis Major. 6	3	4 36,60	2,406	, 002	——	3	—26 27 2,80	,404	, 351	——
2366	Columbæ 6	3	4 38,34	2,142	, 002	——	3	—34 47 11,74	,405	, 313	——
2367	Equ. Pict. 8.9	6	4 38,51	1,203	, 002	——	6	—54 24 53,70	,407	, 170	——
2368	——— 7.8	4	4 42,99	1,280	, 002	——	4	—53 15 35,38	,413	, 183	——
2369	Navis 6.7	4	4 50,88	1,936	, 001	—,012	4	—40 19 38,34	,425	, 285	— ,06
2370	44 Aurigæ κ 4	6	4 51,90	3,829	, 001	+,010	15	+29 33 3,04	,426	, 558	— ,22
2371	Canis Major. 7	3	4 53,71	2,389	, 002	+,002	4	—27 1 27,26	,429	, 349	,00
2372	7 Geminor. η 4.5	14	4 55,07	3,626	, 001	+,006	19	+22 32 49,50	,430	, 529	— ,03
2373	2 Lyncis b 4.5	6	5 3,67	5,301	, 003	+,019	17	+59 3 32,56	,443	, 776	,00
2374	71 Orionis E² 5.6	6	5 8,34	3,537	, 001	—,007	5	+19 12 17,09	,450	, 516	— ,25
2375	——— 7	3	5 12,83	3,456	, 001	,000	4	+16 4 31,24	,457	, 505	+ ,06
2376	Teles. Hers. m¹ 6.7	5	5 16,63	4,478	, 003	—,011	4	+46 28 8,98	,463	, 655	+ ,11
2377	Columbæ 8	3	5 16,79	2,175	, 002	——	3	—33 50 15,50	,463	, 318	——
2378	Canis Major. —	—	5 ——	2,232	, 002	——	—	—32 6 ——	,503	, 327	——
2379	72 Orionis f² 6	5	5 54,41	3,459	, 001	+,016	5	+16 11 10,40	,516	, 506	— ,15
2380	57 Columbæ 6.7	3	5 55,97	1,723	, 002	+,028	4	—45 14 56,49	,520	, 250	— ,22
2381	Teles. Hers. m² 6.7	4	5 58,27	4,476	, 002	+,006	4	+46 24 52,94	,522	, 655	— ,22
2382	8 Geminor. 7	5	6 13,98	3,667	, 003	+,001	5	+24 0 56,71	,546	, 535	— ,05
2383	Equ. Pict. 8	4	6 24,87	1,312	, 003	——	4	—52 46 3,52	,561	, 187	——
2384	73 Orionis k¹ 6	6	6 28,91	3,369	, 002	+,011	5	+12 35 45,30	,568	, 493	+ ,05
2385	Canis Major. 7	4	6 31,47	2,347	, 002	—,010	4	—28 25 32,40	,570	, 343	+ ,06

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
2386	Columbæ	6.7	3	6 6 45,72	+2,081	—,00001	——	3	—36 31 29,65	0,591	—,00305	——
2387	5 Monocer. α	4.5	38	6 48,54	2,925	, 003	+,008	14	— 6 13 50,11	,595	, 427	— ,14
2388	5 Lyncis	7	4	6 50,58	5,565	, 004	—,004	4	+61 49 22,38	,599	, 811	— ,13
2389	9 Geminor.	7	5	6 54,75	3,660	, 002	+,012	5	+23 47 20,00	,604	, 534	+ ,02
2390	Equ. Pict.	5.6	3	7 5,66	1,167	, 003	——	3	—54 56 1,38	,621	, 165	——
2391	74 Orionis k^2	5.6	5	7 10,75	3,363	, 002	+,011	10	+12 18 38,29	,629	, 492	+ ,09
2392	———	7	3	7 15,86	3,285	, 003	+,011	4	+ 9 4 30,23	,635	, 480	— ,11
2393	6 Lyncis	6.7	4	7 24,52	5,334	, 004	+,007	4	+59 25 51,20	,648	, 781	— ,01
2394	Monocer.	7	6	7 27,33	3,192	, 003	+,007	8	+ 5 9 43,67	,652	, 468	+ ,01
2395	Argus	8	4	7 30,58	1,826	, 001	——	4	—42 58 0,20	,657	, 266	——
2396	Monocer.	8	2	7 43,72	2,927	, 003	+,013	2	— 6 9 39,93	,677	, 427	— ,02
2397	Aurigæ	7	6	8 0,28	3,760	, 003	+,004	5	+27 15 59,18	,700	, 548	— ,07
2398	75 Orionis *l*	6	9	8 1,13	3,307	, 003	+,006	5	+ 9 59 43,59	,701	, 484	— ,11
2399	Monocer.	9	8	8 9,09	2,770	, 002	+,015	4	—12 40 35,82	,713	, 403	— ,01
2400	———	9.10	7	8 16,12	2,770	, 002	+,016	12	—12 41 22,11	,723	, 403	+ ,02
2401	Aurigæ	8.9	4	8 19,50	4,818	, 003	+,014	4	+52 34 51,29	,727	, 706	— ,07
2402	Monocer.	9.10	3	8 20,75	2,927	, 003	+,010	1	— 6 8 11,11	,731	, 427	+ ,04
2403	208 Aurigæ	6	4	8 21,54	4,878	, 003	,000	4	+53 30 58,57	,732	, 716	— ,16
2404	24 Monocer.	7	3	8 32,11	3,192	, 002	—,005	7	+ 5 9 43,63	,747	, 467	— ,58
2405	Equ. Pict.	8	7	8 41,94	0,778	, 004	——	7	—59 45 58,80	,761	, 115	——
2406	27 Geminor.	7	4	8 51,20	3,657	, 002	+,007	4	+23 39 33,49	,774	, 533	— ,04
2407	Equ. Pict	8	4	9 12,14	0,614	, 004	——	4	—61 27 38,94	,805	, 090	——
2408	11 Geminor.	7	8	9 16,61	3,653	, 002	+,014	5	+23 31 36,09	,812	, 533	— ,04
2409	Equ. Pict.	7.8	3	9 18,37	0,755	, 004	——	3	—60 1 7,64	,813	, 111	——
2410	29 Geminor.	6.7	3	9 20,95	3,647	, 002	+,022	4	+23 19 57,72	,818	, 532	+ ,01
2411	Columbæ	8	3	9 36,04	1,817	, 001	——	3	—43 11 27,87	,840	, 264	——
2412	Canis Major.	6	3	9 36,37	2,308	, 002	——	3	—29 44 13,80	,840	, 337	——
2413	25 Monocer.	7	8	9 50,08	2,819	, 002	+,007	9	—10 40 9,80	,861	, 410	,00
2414	Argus	6.7	6	9 53,32	1,384	, 003	——	6	—51 37 6,81	,866	, 201	——
2415	Lyncis	8.9	3	10 4,35	5,776	, 007	+,027	3	+63 42 44,82	,880	, 853	— ,06
2416	Canis Major.	6.7	3	10 7,10	2,515	, 002	+,027	4	—22 38 57,54	,885	, 367	— ,25
2417	16 ———	6.7	3	10 11,48	2,523	, 002	+,001	3	—22 19 6,57	,892	, 368	+ ,04
2418	Equ. Pict.	7	3	10 14,65	0,738	, 006	——	3	—60 12 42,35	,897	, 108	——
2419	Argus	9	4	10 24,04	1,390	, 003	——	4	—51 32 15,01	,910	, 202	——
2420	Monocer.	7.8	4	10 26,34	3,364	, 002	+,016	4	+12 21 12,46	,914	, 492	— ,04
2421	Lyncis	7	4	10 31,57	5,666	, 006	—,008	4	+62 45 47,63	,921	, 837	— ,03
2422	Columbæ	7.8	7	10 32,54	1,819	, 002	——	7	—43 7 33,41	,923	, 265	——
2423	Equ. Pict.	8	3	10 37,26	0,740	, 004	——	3	—60 11 20,43	,928	, 110	——
2424	Columbæ κ	4.5	22	10 40,96	2,133	, 001	,000	14	—35 5 24,02	,935	, 312	+ ,02
2425	Equ. Pict.	7	10	10 50,75	0,618	, 004	——	10	—61 25 36,85	,949	, 090	——
2426	Equ. Pict.	7	3	10 51,54	1,025	, 004	——	3	—56 52 6,83	,950	, 145	——
2427	4 Navis	6.7	3	11 8,80	1,982	, 001	+,010	3	—39 12 29,34	,975	, 291	— ,13
2428	Lyncis	7	3	11 12,50	5,251	, 006	—,011	4	+58 30 12,58	,980	, 769	— ,12
2429	30 Geminor.	7	3	11 22,47	3,589	, 002	+,012	3	+21 11 49,91	,994	, 524	— ,13
2430	Columbæ	χ^2 6.7	3	11 24,44	2,039	, 001	,000	3	—37 41 3,84	,997	, 299	+ ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2431	31 Geminor. 7	4	6 11 29,84	+3,591	—,00002	+,008	3	+21 15 58,39	1,006	—,00524	—0,02
2432	Columbæ χ^1 6	3	11 30,54	2,057	,001	+,015	3	—37 11 42,61	,007	,301	,00
2433	8 Lyncis 7	4	11 30,95	5,265	,007	,000	3	+58 40 38,42	,007	,771	+ ,02
2434	Canis. Major. 6.7	3	11 36,96	2,270	,002	——	3	—30 56 58,66	,016	,332	——
2435	32 Geminor. 8	2	11 45,21	3,661	,002	+,008	4	+23 49 45,64	,028	,534	— ,05
2436	7 Monocer. 6	5	11 45,98	2,889	,003	—,001	5	— 7 45 34,40	,029	,421	— ,03
2437	Camelop. 7	4	11 48,92	10,419	,051	+,002	4	+79 42 11,27	,033	,01519	+ ,05
2438	Canis. Major. 8.9	4	12 4,46	2,751	,002	+,005	4	—13 29 29,83	,055	,00401	+ ,33
2439	Monocer. 7	3	12 10,35	2,888	,003	+,005	3	— 7 48 22,21	,064	,421	— ,04
2440	46 Aurigæ *d* 5	8	12 11,17	4,627	,005	+,011	10	+49 21 43,16	,066	,676	— ,01
2441	Lyncis 8	3	12 12,11	5,250	,007	+,013	2	+58 29 48,33	,068	,769	— ,04
2442	9 ——— 6	6	12 23,97	5,250	,007	+,002	4	+58 29 45,41	,085	,769	— ,01
2443	13 Geminor. μ 3	22	12 58,62	3,626	,002	+,015	43	+22 35 27,42	,136	,529	— ,13
2444	Columbæ 7	3	13 6,07	1,996	,001	——	3	—38 49 50,09	,146	,293	——
2445	Monocer. 9	4	13 42,39	3,025	,003	+,026	4	— 1 57 26,84	,198	,442	— ,10
2446	26 Canis. Major. 7	4	13 44,21	2,159	,002	+,002	4	—34 19 47,26	,201	,315	— ,08
2447	——— 7.8	5	13 53,78	2,302	,002	+,014	4	—29 57 0,74	,215	,336	— ,01
2448	Equ. Pict. 8	9	13 57,01	1,140	,004	——	9	—55 21 8,99	,220	,162	——
2449	——— 9	7	13 57,08	0,836	,004	——	6	—59 8 57,66	,220	,121	——
2450	——— —	—	13 ——	0,839	,004	——	—	—59 7 ——	,221	,121	——
2451	1 Canis Major. ζ 3	18	13 58,83	2,300	,002	+,003	13	—29 59 43,43	,223	,336	+ ,02
2452	Equ. Pict. 7	8	14 1,72	0,838	,004	——	8	—59 8 18,25	,227	,121	——
2453	Argus 6.7	6	14 13,88	1,321	,003	——	6	—52 40 7,81	,245	,190	——
2454	Monocer. 7.8	3	14 14,29	3,160	,003	+,010	2	+ 3 50 7,72	,245	,562	— ,07
2455	5 Navis 6.7	3	14 21,97	1,974	,001	—,001	3	—39 25 5,44	,256	,290	+ ,05
2456	Geminor. 7	6	14 33,87	3,697	,003	+,006	6	+25 7 39,56	,272	,539	— ,01
2457	Monocer. 6	6	14 36,74	3,160	,003	+,005	7	+ 3 50 28,26	,277	,462	— ,06
2458	28 Canis Major. 5.6	4	14 38,11	2,169	,002	+,002	4	—34 4 28,80	,279	,317	+ ,01
2459	Argus 7	3	14 45,21	1,464	,003	——	3	—50 17 32,73	,289	,214	——
2460	8 Monocer. *b* 5.6	6	15 1,53	3,180	,003	+,007	9	+ 4 40 12,83	,314	,465	— ,11
2461	Monocer. 9	3	15 1,96	3,181	,003	—,004	3	+ 4 40 22,86	,314	,465	— ,18
2462	Canis Major. β 2.3	33	15 26,10	2,641	,003	+,007	37	—17 52 46,32	,350	,386	+ ,10
2463	Geminor. 7	5	15 30,25	3,652	,003	+,016	7	+23 31 29,55	,355	,533	+ ,01
2464	Geminor. 7	6	15 31,04	3,649	,003	+,008	3	+23 24 37,18	,356	,533	— ,04
2465	219 Aurigæ 7	4	15 37,27	4,812	,007	—,016	4	+52 32 9,40	,365	,705	— ,02
2466	Argus 6	3	15 45,99	1,555	,003	——	3	—48 39 25,69	,378	,227	——
2467	37 Geminor. 6.7	3	15 48,60	3,602	,003	+,007	4	+21 43 43,06	,382	,526	— ,10
2468	Monocer. 6.7	4	16 4,90	3,186	,003	+,007	4	+ 4 57 20,43	,407	,466	— ,01
2469	Canis Major. λ 4	8	16 5,11	2,193	,002	+,007	10	—33 21 25,70	,407	,320	,00
2470	Geminor. 8	3	16 20,19	3,409	,003	+,012	1	+14 10 37,79	,429	,498	— ,05
2471	Argus 8.9	4	16 22,71	1,752	,003	——	4	—44 41 0,79	,433	,254	——
2472	11 Lyncis 6	8	16 26,35	5,228	,009	—,005	7	+58 16 21,08	,438	,764	— ,23
2473	Columbæ 9	4	16 31,26	2,179	,002	+,014	3	—33 47 30,09	,444	,318	— ,01
2474	Canis Major. 7	3	17 4,29	2,247	,002	——	3	—31 42 32,55	,491	,328	——
2475	223 Aurigæ 7	4	17 43,13	4,490	,007	+,006	4	+46 46 48,38	,548	,657	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2476	Navis 7	3	6 17 46,48	+1,328	—,00004	——	3	—52 35 2,13	1,552	—,00191	——
2477	15 Geminor. 9.10	9	17 55,60	3,579	, 003	+,011	2	+20 52 28,22	,568	, 521	— ,02
2478	15 ——— 6	18	17 56,50	3,580	, 003	+,006	17	+20 52 58,61	,568	, 521	— ,08
2479	48 Aurigæ z 6	4	17 57,76	3,859	, 005	+,007	5	+30 35 11,47	,569	, 561	— ,11
2480	122 Camelop. δ 6	7	17 58,40	10,419	, 079	+,056	11	+79 43 16,11	,570	,01519	— ,58
2481	Navis 6	4	18 3,84	2,069	, 002	——	4	—36 55 49,74	,578	,00302	——
2482	16 Geminor. 6	5	18 7,93	3,572	, 003	+,009	5	+20 35 14,87	,585	, 520	— ,11
2483	Monocer. 9	4	18 11,08	3,316	, 003	+,019	3	+10 24 48,55	,590	, 485	— ,13
2484	——— 6.7	4	18 14,65	3,084	, 003	+,009	4	+ 0 32 41,28	,595	, 449	— ,05
2485	Equ. Pict. 8	3	18 15,30	0,641	, 006	——	3	—61 15 21,56	,595	, 094	——
2486	Monocer. 8	2	18 17,25	3,083	, 003	+,026	4	+ 0 31 42,26	,598	, 449	— ,08
2487	11 Navis 6.7	6	18 17,86	2,080	, 002	+,003	6	—36 37 31,96	,599	, 304	— ,02
2488	Canis Major. 8	2	18 23,07	2,080	, 002	—,001	2	—36 37 4,24	,607	, 304	— ,08
2489	Navis 8	3	18 39,12	1,968	, 002	——	3	—39 37 3,13	,629	, 289	——
2490	226 Aurigæ 6.7	4	18 44,82	4,250	, 006	+,008	4	+41 30 1,25	,638	, 619	— ,03
2491	77 Orionis D¹ 6	5	18 45,46	3,080	, 003	+,002	6	+ 0 23 29,98	,638	, 449	— ,03
2492	78 ——— D² 6	6	18 49,80	3,067	, 003	+,016	4	— 0 11 0,70	,646	, 446	— ,05
2493	Monocer. C 6.7	4	18 50,44	2,972	, 003	+,017	4	— 4 15 50,49	,646	, 433	— ,10
2494	18 Geminor. ν 5	32	19 9,89	3,564	, 003	+,011	16	+20 18 33,33	,674	, 519	— ,06
2495	43 Monocer. 7	3	19 11,55	3,316	, 003	+,010	4	+10 24 3,59	,678	, 485	— ,08
2496	17 Geminor. 7	2	19 21,69	3,579	, 003	——	5	+20 52 50,52	,692	, 523	——
2497	13 Navis 6.7	4	19 23,48	1,945	, 002	+,012	4	—40 11 43,86	,694	, 285	+ ,02
2498	10 Monocer. 6	6	19 48,85	2,962	, 003	+,009	5	— 4 40 1,12	,731	, 432	— ,01
2499	Lyncis 9.10	4	19 51,17	5,316	, 012	+,001	4	+59 18 30,14	,735	, 773	— ,10
2500	Navis 7	2	19 53,75	1,360	, 004	——	2	—52 5 34,33	,739	, 196	——
2501	228 Aurigæ 6.7	4	19 57,25	3,789	, 005	+,005	4	+28 18 46,60	,744	, 551	— ,13
2502	Navis α 1	24	20 17,26	1,329	, 004	——	87	—52 36 29,59	,773	, 190	——
2503	Monocer. 6.7	2	20 22,23	3,060	, 003	+,010	4	— 0 28 25,62	,780	, 444	+ ,03
2504	——— 6.7	4	20 24,60	3,076	, 003	+,001	4	+ 0 13 35,64	,784	, 448	— ,09
2505	15 Navis 7.8	3	20 29,82	1,918	, 002	+,014	1	—40 52 57,56	,792	, 281	,00
2506	Canis Major. 7	3	20 32,89	2,429	, 002	——	3	—25 45 2,18	,795	, 354	——
2507	12 Lyncis 6.7	2	20 48,79	5,006	, 010	+,021	3	+55 27 46,83	,818	, 734	— ,06
2508	Monocer. d² 6.7	5	20 49,46	2,909	, 003	+,005	1	— 6 55 59,13	,818	, 424	+ ,15
2509	120 Camelop. 6.7	3	20 52,10	30,964	,01166	—,137	7	+87 15 55,36	,823	,04517	— ,07
2510	Geminor. 9	4	20 52,28	3,569	,00003	+,023	4	+20 31 28,34	,823	,00520	— ,01
2511	Canis Major. 8	3	20 56,94	2,237	, 002	+,015	4	—32 3 59,49	,831	, 327	— ,06
2512	17 Navis 7.8	3	20 57,61	1,891	, 002	+,002	4	—41 32 31,65	,833	, 276	+ ,10
2513	——— 7.8	8	21 10,15	1,322	, 004	——	6	—52 42 50,97	,849	, 190	——
2514	Equ. Pict. 6	3	21 18,15	0,903	, 005	——	3	—58 27 17,49	,861	, 130	——
2515	Geminor. 7	10	21 41,09	3,921	, 002	+,011	9	+32 33 49,79	,862	, 572	— ,11
2516	Geminor. 8	2	22 2,00	3,452	, 003	+,005	2	+15 57 39,17	,925	, 504	— ,12
2517	Canis Major. D¹ 5	11	22 3,48	2,224	, 002	+,005	11	—32 28 50,33	,926	, 325	+ ,07
2518	Monocer. 9	4	22 4,17	3,307	, 003	+,014	4	+10 2 49,43	,927	, 483	+ ,01
2519	14 Lyncis 6.7	2	22 5,97	5,082	, 011	—,010	4	+56 30 18,25	,931	, 744	— ,08
2520	19 Geminor. 6.7	7	22 8,12	3,453	, 003	+,012	5	+16 0 41,66	,934	, 504	— ,11

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2521	Equ. Pict. 6	3	6 22 11,32	+0,749	—,00005	——	3	—60 11 22,85	1,939	—,00110	——
2522	Navis 7.8	5	22 27,23	1,334	, 004	——	4	—52 33 27,24	,962	, 192	——
2523	Canis Major. D² 6	3	22 31,09	2,231	, 002	—,006	4	—32 16 9,30	,967	, 326	+ ,10
2524	20 Navis 7.8	3	22 32,04	1,913	, 002	+,012	4	—41 2 6,36	,969	, 280	+ ,13
2525	Lyncis c 6	9	22 35,59	5,534	, 015	—,024	16	+61 36 50,93	,975	, 800	— ,31
2526	20 Geminor. 8	2	22 39,95	3,500	, 003	,000	3	+17 53 18,07	,980	, 511	+ ,05
2527	21 ——— 7	8	22 40,61	3,501	, 003	—,008	9	+17 53 35,09	,981	, 511	+ ,01
2528	17 Lyncis 6.7	7	23 25,65	5,531	, 015	—,006	16	+61 36 8,77	2,049	, 799	,00
2529	21 Navis 6.7	2	23 25,74	1,916	, 002	+,017	4	—40 58 16,78	,049	, 280	+ ,09
2530	12 Monocer. e 6	6	23 33,74	3,187	, 003	—,001	5	+ 4 58 2,55	,058	, 465	— ,08
2531	Navis 8.9	7	23 34,58	1,317	, 004	——	7	—52 50 15,15	,061	, 187	——
2532	Lyncis A 6.7	3	23 36,10	5,118	, 013	+,007	4	+56 58 45,04	,062	, 748	— ,01
2533	Navis 8.9	3	23 45,27	1,176	, 004	——	3	—54 55 58,24	,075	, 172	——
2534	Columbæ 7.8	3	23 45,87	1,944	, 002	——	3	—40 16 1,17	,076	, 285	——
2535	——— 7	3	23 51,61	1,944	, 002	——	3	—40 16 25,60	,085	, 285	——
2536	Lyncis 7	2	23 56,85	5,005	, 012	—,002	4	+55 28 53,64	,093	, 733	— ,10
2537	13 Monocer. f 5	11	23 58,88	3,245	, 003	+,005	10	+ 7 26 50,80	,096	, 471	+ ,05
2538	Geminor. 6.7	6	24 14,08	3,409	, 003	+,001	5	+14 16 29,12	,118	, 496	— ,11
2539	Canis Major. C 6	5	24 14,47	2,374	, 003	—,009	5	—27 39 33,98	,118	, 347	— ,01
2540	236 Aurigæ 6.7	4	24 21,18	3,887	, 006	+,003	3	+31 33 12,89	,128	, 568	+ ,33
2541	Navis 6	3	24 28,12	0,951	, 006	——	3	—57 53 54,78	,138	, 137	——
2542	Canis Major. 6	6	24 39,99	2,640	, 003	+,002	4	—17 56 55,85	,154	, 384	+ ,01
2543	49 Aurigæ c 6	5	24 48,28	3,782	, 006	—,007	5	+28 8 33,54	,166	, 549	— ,03
2544	Monocer. 7.8	4	24 51,74	3,242	, 003	+,015	3	+ 7 21 25,69	,172	, 479	+ ,04
2545	47 Geminor. 7	4	24 55,07	3,543	, 004	+,013	4	+19 32 54,11	,176	, 517	— ,07
2546	4 Canis Major. ξ 5.6	4	24 59,04	2,499	, 003	+,014	5	—23 18 19,22	,183	, 363	— ,07
2547	57 Monocer. 6.7	4	25 3,08	2,811	, 003	+,016	4	—11 3 3,06	,188	, 409	— ,09
2548	124 Camelop. 7	2	25 14,37	5,576	, 017	—,013	5	+62 3 12,60	,205	, 776	+ ,09
2549	Aurigæ 7.8	3	25 18,50	3,889	, 006	+,013	4	+31 36 10,06	,210	, 567	— ,05
2550	Columbæ 6	4	25 20,14	1,943	, 002	——	4	—40 20 10,23	,214	, 284	——
2551	Canis Major. 6	3	25 20,87	2,135	, 002	——	3	—35 8 43,91	,215	, 312	——
2552	49 Geminor. 7	3	25 22,75	3,461	, 004	—,005	3	+16 19 36,89	,218	, 503	— ,01
2553	——— 8	5	25 23,74	3,474	, 004	+,005	6	+16 53 6,93	,218	, 506	,00
2554	Navis 9	3	25 42,25	1,115	, 005	——	3	—55 48 31,57	,244	, 159	——
2555	22 ——— 6.7	4	25 42,55	1,924	, 002	+,009	4	—40 48 9,97	,245	, 282	,00
2556	14 Monocer. g 6	5	25 50,28	3,251	, 004	+,009	5	+ 7 41 38,46	,256	, 474	+ ,01
2557	23 Navis 6.7	3	25 52,29	2,076	, 002	+,007	4	—36 49 42,96	,258	, 302	+ ,06
2558	Geminor. 7.8	4	26 20,25	3,466	, 004	+,017	4	+16 34 16,80	,300	, 506	— ,04
2559	50 ——— 7	7	26 28,81	3,475	, 004	+,006	6	+16 55 24,51	,313	, 506	— ,02
2560	54 Canis Major. 6	3	26 28,86	2,244	, 002	+,023	4	—31 54 45,43	,313	, 326	— ,07
2561	Navis 6	3	26 36,93	1,046	, 005	——	3	—56 44 29,96	,323	, 148	——
2562	26 ——— 6	5	26 42,17	2,049	, 002	+,007	3	—37 34 29,96	,331	, 299	— ,03
2563	Aurigæ ψ¹ 6	4	27 13,09	4,167	, 007	+,004	4	+39 31 38,19	,376	, 602	— ,07
2564	——— ψ² 6.7	3	27 19,05	4,186	, 007	—,008	4	+40 2 6,13	,384	, 607	— ,02
2565	52 Geminor. 6.7	3	27 20,09	3,682	, 005	+,014	4	+24 43 12,75	,387	, 536	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2566	Equ. Pict. 6	—	6 27 ——	+0,894	—,00006	——	3	—58 37 48,61	2,388	—,00129	——
2567	Navis 6	3	27 27,46	1,389	, 005	——	3	—51 42 46,04	,397	, 200	——
2568	Teles. Hers. α 6	3	27 32,52	4,293	, 008	+,012	4	+42 37 31,11	,404	, 627	— ,13
2569	Navis 7	3	27 33,08	1,735	, 003	——	3	—45 11 21,07	,404	, 251	——
2570	——— 6	3	27 37,61	2,015	, 002	——	3	—38 30 9,59	,412	, 295	——
2571	Equ. Pict. 6.7	3	27 40,45	0,820	, 006	——	3	—59 28 30,36	,414	, 120	——
2572	243 Aurigæ 6.7	3	27 55,00	3,810	, 006	+,002	4	+29 7 1,62	,436	, 552	+ ,07
2573	29 Navis 6	3	28 2,29	2,103	, 002	—,007	4	—36 6 46,03	,447	, 306	— ,07
2574	Canis Major. ξ² 6	6	28 8,70	2,512	, 003	+,017	10	—22 50 21,31	,457	, 364	— ,06
2575	24 Geminor. γ 3	9	28 10,62	3,465	, 004	+,010	31	+16 31 58,65	,461	, 502	,00
2576	Geminor. 7.8	4	28 12,55	3,678	, 005	+,009	4	+24 35 7,75	,463	, 538	— ,03
2577	66 Monocer. 6.7	3	28 28,08	2,953	, 004	+,009	4	— 5 4 48,64	,485	, 430	— ,08
2578	58 Canis Major. 6	3	28 28,58	2,223	, 003	+,025	4	—32 35 26,22	,487	, 323	+ ,06
2579	59 ——— 6.7	3	28 43,86	2,180	, 003	+,018	4	—33 53 3,51	,508	, 318	— ,02
2580	Navis 9	7	28 47,40	1,469	, 005	——	7	—50 21 59,77	,513	, 214	——
2581	Navis 7	3	29 0,50	1,878	, 003	——	3	—41 58 13,20	,531	, 273	——
2582	——— 6.7	3	29 6,87	2,145	, 003	——	3	—34 55 16,40	,542	, 312	——
2583	1 Canis Major. ν 9	3	29 8,53	2,626	, 003	+,009	2	—18 31 50,50	,545	, 382	— ,01
2584	51 Aurigæ 6	6	29 8,70	3,788	, 006	+,008	8	+28 24 2,29	,545	, 550	— ,05
2585	Canis Major. ν¹ 6.7	6	29 9,58	2,626	, 003	+,004	6	—18 31 46,54	,546	, 382	——
2586	Navis 8	7	29 24,71	1,140	, 006	——	7	—55 31 14,63	,567	, 162	——
2587	7 Canis Major. ν² 5	10	29 29,27	2,611	, 003	+,007	10	—19 7 12,64	,574	, 380	— ,05
2588	Equ. Pict. μ 6	11	29 31,08	0,896	, 007	——	7	—58 37 50,30	,576	, 129	——
2589	——— 5.6	3	29 32,36	0,603	, 008	——	3	—61 45 28,63	,577	, 095	——
2590	Navis f¹ 6	3	29 40,35	2,084	, 002	+,004	4	—36 39 2,48	,587	, 304	+ ,07
2591	Navis 8	3	29 42,43	1,362	, 005	——	3	—52 12 17,57	,591	, 195	——
2592	Equ. Pict. 8	3	29 53,93	0,554	, 008	——	3	—62 12 58,32	,608	, 077	——
2593	Lyncis 7	6	30 15,21	5,330	, 018	+,010	4	+59 35 54,70	,639	, 774	— ,02
2594	58 Geminor. 7	3	30 17,19	3,548	, 005	+,005	4	+19 48 5,56	,642	, 514	— ,13
2595	Canis Major. 7.8	1	30 17,24	2,251	, 003	+,019	3	—31 45 14,43	,642	, 328	+ ,15
2596	Navis 7	3	30 20.34	1,637	, 004	——	3	—47 14 41,93	,647	, 237	——
2597	22 Lyncis 7	9	30 22,66	5,118	, 016	+,023	8	+57 4 58,96	,651	, 746	,00
2598	8 Canis Major. ν³ 5.6	6	30 38,09	2,638	, 003	+,009	5	—18 6 1,22	,672	, 384	— ,06
2599	——— 8	4	30 49,89	2,240	, 003	+,035	4	—32 5 13,44	,690	, 325	— ,01
2600	25 Geminor. 7	5	30 56,80	3,785	, 007	+,015	2	+28 20 26,06	,700	, 550	— ,08
2601	72 Monocer. 6.7	3	31 2,97	3,215	, 004	+,010	3	+ 6 11 53,91	,708	, 466	— ,10
2602	55 Aurigæ. 5	6	31 4,04	4,381	, 010	+,001	10	+44 40 26,87	,709	, 638	— ,02
2603	Equ. Pict. 6.7	3	31 6,80	0,610	, 008	——	3	—61 42 4,21	,714	, 095	——
2604	Navis 5.6	3	31 20,41	1,323	, 006	——	3	—52 50 36,16	,734	, 189	——
2605	——— 6.7	6	31 25,84	2,036	, 002	+,015	5	—38 0 42,75	,743	, 297	+ ,01
2606	Navis 6.7	3	31 29,81	1,483	, 005	——	3	—50 9 46,40	,748	, 217	——
2607	——— f² 6.7	3	31 30,98	2,078	, 002	+,011	4	—36 51 13,42	,749	, 302	+ ,07
2608	67 Canis Major. 6.7	3	31 37,05	2,237	, 003	+,019	4	—32 12 13,97	,757	, 326	+ ,12
2609	12 Lyncis 8	3	31 37,44	5,329	, 018	—,005	3	+59 35 56,63	,757	, 771	— ,03
2610	39 Navis 8	5	31 37,47	1,903	, 002	+,020	8	—41 25 15,68	,757	, 276	— ,14

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2611	23 Lyncis 6	3	6 31 38,02	+5,328	—,00018	—,003	6	+59 35 47,73	2,759	—,00772	—, 09
2612	Canis Major. 8	3	31 48,20	2,639	, 003	+,014	4	—18 2 38,65	,773	, 384	+, 06
2613	15 Geminor. h 6	6	31 53,45	3,305	, 004	+,011	8	+10 2 29,21	,781	, 480	—, 02
2614	Navis 7	9	32 19,38	1,823	, 003	——	9	—43 18 43,90	,818	, 263	——
2615	—— 7	3	32 22,37	1,482	, 005	——	3	—50 11 30,28	,823	, 215	——
2616	Navis —	—	32 ——	——	, 002	——	—	—37 55 ——	, —	, 297	——
2617	Monocer. 8.9	4	32 31,85	3,170	, 004	+,016	3	+ 4 17 40,29	,837	, 461	—, 08
2618	77 —— 6	4	32 36,34	3,086	, 004	—,005	4	+ 0 38 33,61	,843	, 444	—, 03
2619	Navis 8	3	32 41,51	1,165	, 006	——	3	—55 12 36,62	,852	, 165	——
2620	—— ν 3	10	32 42,82	1,835	, 003	,000	10	—43 3 18,33	,853	, 266	+, 03
2621	24 Lyncis 6	3	32 44,84	5,135	, 017	+,032	4	+57 19 46,61	,856	, 747	—, 06
2622	Camelop. 7	6	32 46,14	6,295	, 032	+,011	3	+67 40 38,46	,857	, 913	—, 03
2623	Equ. Pict. 7	2	32 46,79	0,647	, 008	——	2	—61 21 46,49	,859	, 096	——
2624	26 Geminor. u 5.6	7	32 47,68	3,496	, 005	+,004	5	+17 47 58,62	,860	, 507	—, 09
2625	Navis 7.8	3	32 50,97	1,103	, 006	——	3	—56 5 29,16	,865	, 208	——
2626	Navis 7	5	33 2,35	2,043	, 002	+,006	4	—37 51 6,92	,881	, 298	—, 04
2627	—— 7	—	33 ——	——	, 003	——	3	—43 18 46,21	,903	, 263	——
2628	—— 7	3	33 22,58	1,365	, 006	——	3	—52 12 19,57	,911	, 195	——
2629	—— 8	3	33 27,15	1,528	, 004	——	3	—49 23 13,41	,917	, 221	——
2630	—— 7	3	33 40,85	1,003	, 006	——	3	—57 24 6,24	,938	, 142	——
2631	42 Camelop. 5	5	33 42,29	6,302	, 033	+,006	10	+67 44 25,53	,939	, 913	+, 01
2632	27 Geminor. ε 3	17	33 46,70	3,696	, 006	+,009	45	+25 17 12,04	,945	, 536	—, 06
2633	Navis 8	2	34 13,11	1,599	, 004	——	2	—48 4 20,84	,983	, 231	——
2634	28 Geminor. 6	6	34 18,00	3,808	, 008	+,012	5	+29 7 46,53	,990	, 551	—, 10
2635	44 Navis 6.7	3	34 19,93	2,037	, 002	+,015	4	—38 0 34,03	,994	, 297	—, 06
2636	Navis 7	3	34 23,85	1,169	, 006	——	3	—55 12 2,67	,999	, 165	——
2637	—— 6.7	4	34 25,43	1,826	, 003	——	4	—43 16 47,61	3,000	, 263	——
2638	30 Geminor. ξ¹ 5.6	6	34 41,08	3,386	, 004	+,023	5	+13 23 18,05	,024	, 492	+, 01
2639	Navis 7	3	34 44,06	1,331	, 006	——	3	—52 47 14,79	,028	, 190	——
2640	—— 7	2	34 45,68	1,828	, 003	——	2	—43 15 18,00	,030	, 264	——
2641	Canis Major. 7	3	34 49,57	2,292	, 003	+,012	4	—30 29 39,92	,037	, 332	+, 01
2642	1 Teles Hers. 6	2	34 50,34	4,336	, 010	+,025	4	+43 43 54,73	,037	, 632	+, 06
2643	83 Monocer. 6.7	3	34 56,38	3,165	, 004	+,002	4	+ 4 5 22,96	,046	, 459	, 00
2644	251 Aurigæ 6	3	35 4,48	4,589	, 005	+,013	4	+48 57 13,36	,057	, 666	—, 05
2645	Canis Major. 7	7	35 12,12	2,383	, 003	+,007	10	—27 28 49,18	,069	, 346	+, 03
2646	46 Navis 7	6	35 51,71	1,955	, 002	+,016	7	—40 11 47,62	,126	, 286	—, 10
2647	43 Camelop. q 5	16	35 52,67	6,524	, 041	—,014	14	+69 3 58,69	,126	, 946	—, 05
2648	—— 6	5	35 53,49	8,870	, 103	+,026	10	+77 10 8,00	,127	,01286	—, 05
2649	Navis 7.8	3	35 55,37	1,957	, 002	——	3	—40 8 17,85	,130	,00286	——
2650	31 Geminor. ξ² 4	11	36 1,78	3,378	, 004	—,001	11	+13 4 1,50	,141	, 490	—, 28
2651	Navis 7	3	36 9,17	1,299	, 006	——	3	—53 17 58,98	,151	, 184	——
2652	Equ. Pict. 6.7	3	36 14,06	0,650	, 009	——	3	—61 23 17,40	,159	, 097	——
2653	Navis 6.7	4	36 18,54	1,632	, 004	——	4	—47 28 7,26	,165	, 235	——
2654	—— 7	2	36 20,77	1,629	, 004	——	2	—47 31 12,58	,169	, 235	——
2655	Lyncis 9	4	36 23,73	4,836	, 016	+,018	4	+53 12 19,24	,173	, 704	—, 05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2656	Navis 8	3	6 36 30,29	+0,901	—,00008	——	3	—58 41 6,28	3,181	—,00130	——
2657	73 Geminor. 6.7	3	36 38,21	3,372	, 005	+,014	4	+12 51 30,37	,193	, 489	+0,01
2658	48 Navis 7	3	36 41,42	2,030	, 002	+,013	4	—38 14 30,39	,197	, 295	— ,08
2659	Monocer. 8	1	37 13,45	3,132	, 004	+,015	4	+ 2 39 53,83	,242	, 456	— ,06
2660	Canis Major. 8.9	3	37 17,59	2,679	, 003	+,011	4	—16 33 59,23	,250	, 388	— ,07
2661	Navis 8	4	37 28,12	2,010	, 002	——	4	—38 48 15,36	,264	, 294	——
2662	16 Monocer. 6	6	37 32,47	3,274	, 004	+,013	5	+ 8 45 16,99	,271	, 475	— ,08
2663	Aurigæ 8	4	37 47,83	4,455	, 013	+,017	3	+46 21 37,73	,294	, 649	— ,11
2664	Monocer. 7.8	4	37 48,18	3,258	, 004	+,011	4	+ 8 3 44,97	,294	, 473	—, 07
2665	9 Canis Major. α 1	108	37 52,56	2,680	, 003	—,040	130	—16 29 44,34	,301	, 388	—1,29
2666	49 Navis 6 7	3	37 52,99	2,002	, 002	+,013	4	—39 1 48,21	,301	, 292	+0,09
2667	—— 7.8	4	37 57,64	0,879	, 008	——	4	—58 58 3,44	,308	, 127	——
2668	Canis Major. k^1 6.7	7	38 11,98	2,282	, 003	+,013	8	—30 54 19,55	,328	, 330	+ ,07
2669	17 Monocer. *i* 6	8	38 22,22	3,261	, 004	+,013	10	+ 8 12 30,70	,342	, 473	— ,03
2670	Lyncis *d* 6	3	38 30,37	5,321	, 021	+,004	4	+59 37 56,58	,354	, 770	— ,08
2671	Navis 7	3	38 44,31	1,484	, 006	——	3	—50 17 22,64	,375	, 216	——
2672	Canis Major. 7.8	3	38 52,84	2,576	, 002	+,024	3	—20 36 21,84	,387	, 372	+ ,03
2673	—— 9	3	38 59,47	2,580	, 002	+,014	4	—20 26 13,57	,396	, 373	— ,04
2674	—— 8.9	4	39 2,46	2,576	, 002	+,029	2	—20 35 0,74	,400	, 372	+ ,04
2675	Teles Hers. *c* 5.6	3	39 5,47	4,256	, 012	—,002	5	+41 57 57,98	,405	, 616	— ,20
2676	44 Canis Major. 6	3	39 12,75	2,260	, 003	+,002	4	—31 36 35,70	,415	, 327	— ,28
2677	—— 6	3	39 13,97	2,286	, 003	+,017	4	—30 46 48,70	,417	, 331	+ ,01
2678	18 Monocer. *k* 5	7	39 15,39	3,130	, 004	+,006	10	+ 2 35 11,89	,418	, 455	— ,14
2679	11 Canis Major. ψ^3 6	6	39 19,52	2,736	, 003	+,012	5	—14 15 17,96	,426	, 396	— ,12
2680	Aurigæ 7	3	39 32,54	4,468	, 014	+,004	4	+46 40 53,89	,444	, 647	— ,03
2681	Navis 7.8	4	39 37,81	1,193	, 007	— —	4	—54 57 4,55	,452	, 167	——
2682	—— 7.8	3	39 44,31	2,090	, 002	——	3	—36 40 46,10	,461	, 304	——
2683	—— 7.8	3	39 44,82	1,129	, 007	——	3	—55 51 7,32	,462	, 158	——
2684	Canis Major. ρ 6	7	39 57,65	2,569	, 002	—,006	8	—20 50 31,65	,480	, 371	— ,08
2685	—— 8.9	2	40 2,53	2,567	, 002	+,027	5	—20 55 39,46	,487	, 371	— ,02
2686	33 Geminor. G 6	6	40 19,89	3,458	, 006	+,020	5	+16 22 59,07	,512	, 500	— ,06
2687	Equ. Pict. 8	3	40 32,64	0,690	, 010	——	3	—61 3 59,76	,530	, 099	——
2688	52 Navis 6.7	3	40 32,80	2,057	, 002	+,005	4	—37 36 9,47	,530	, 300	— ,05
2689	—— 7	3	40 34,97	1,991	, 002	——	3	—39 22 2,95	,533	, 290	——
2690	—— 6.7	4	40 37,40	1,657	, 005	——	4	—47 3 5,07	,535	, 238	——
2691	Navis 7.8	3	40 37,50	1,675	, 005	——	3	—46 40 56,46	,537	, 241	——
2692	Equ. Pict. 7.8	3	40 44,67	0,638	, 010	——	3	—61 35 25,93	,548	, 092	——
2693	Navis 6.7	4	40 49,06	1,221	, 007	——	4	—54 33 42,21	,553	, 173	——
2694	—— 6.7	3	40 51,74	1,224	, 007	——	3	—54 31 33,64	,557	, 173	——
2695	—— 7.8	3	40 55,43	2,100	, 002	——	3	—36 25 19,75	,561	, 304	——
2696	Canis Major. 8	5	40 58,33	2,360	, 003	——	5	—28 22 57,42	,566	, 341	——
2697	35 Geminor. 6	6	41 6,57	3,389	, 005	+,009	5	+13 35 44,08	,579	, 490	— ,07
2698	Canis Major. 8.9	1	41 20,17	2,737	, 003	+,016	3	—14 12 35,93	,598	, 396	— ,03
2699	36 Geminor. *d* 6.7	6	41 39,69	3,601	, 007	+,005	5	+21 56 54,14	,626	, 521	— ,09
2700	Aurigæ 6.7	4	41 39,85	4,138	, 011	+,013	3	+39 3 24,18	,626	, 597	— ,14

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2701	Arg. in pup. x 6	13	6 41 42,53	+2,053	—,00002	—,004	10	—37 45 5,20	3,629	—,00299	+0,06
2702	Aurigæ p² 6.7	5	41 54,29	4,122	, 011	+,020	4	+38 38 5,40	,646	, 594	— ,28
2703	34 Geminor. θ 6	8	41 54,40	3,963	, 010	+,007	10	+34 9 6,64	,646	, 570	— ,04
2704	Navis 6	3	42 7,69	1,374	, 007	——	3	—52 14 5,01	,665	, 195	——
2705	——— 6.7	2	42 15,90	1,630	, 005	——	2	—47 37 39,62	,677	, 234	——
2706	Navis 8	7	42 33,00	1,984	, 002	——	7	—39 30 32,37	,702	, 289	——
2707	Aurigæ p³ 6.7	3	42 38,24	4,124	, 011	+,013	4	+38 41 54,20	,710	, 593	— ,04
2708	Equ. Pict. 6.7	3	42 50,69	0,696	, 011	——	3	—61 3 0,49	,728	, 100	——
2709	Geminor. 7	4	42 56,75	3,698	, 006	+,003	5	+25 30 14,42	,736	, 534	— ,20
2710	15 Lyncis e 5	5	42 58,01	5,226	, 025	+,016	10	+58 37 41,11	,738	, 755	— ,11
2711	29 Lyncis 6.7	11	43 6,07	5,154	, 024	+,014	8	+57 45 42,67	,750	, 747	,00
2712	Navis 7	3	43 7,86	1,656	, 005	——	13	—47 7 8,16	,753	, 237	——
2713	——— 7	3	43 18,26	1,820	, 004	——	3	—43 37 12,18	,767	, 262	——
2714	——— 7	5	43 20,49	1,229	, 007	——	5	—54 30 59,23	,770	, 172	——
2715	Canis Major 8	3	43 22,42	2,239	, 003	+,010	4	—32 21 22,96	,772	, 323	+ ,06
2716	Canis Major 7	3	43 30,46	2,398	, 003	——	3	—27 8 52,54	,784	, 347	——
2717	13 ——— κ² 4	20	43 40,80	2,240	, 003	+,004	9	—32 19 20,94	,800	, 323	— ,01
2718	Navis 7	3	43 43,11	1,820	, 005	——	3	—43 37 3,30	,802	, 234	——
2719	101 Monocer. 6.7	4	43 50,90	3,269	, 005	+,004	4	+ 8 34 25,91	,814	, 472	— ,11
2720	Canis Major 7.8	4	43 55,63	2,624	, 002	—,054	4	—18 49 26,76	,822	, 380	— ,08
2721	Navis o 6	3	44 6,05	1,171	, 008	——	3	—55 21 32,13	,836	, 164	——
2722	Canis Major h¹ 6	4	44 9,21	2,266	, 003	+,004	4	—31 31 5,56	,840	, 327	+ ,10
2723	——— h² 8.9	4	44 12,43	2,266	, 003	+,007	2	—31 30 46,79	,844	, 327	+ ,08
2724	Navis 8	4	44 18,33	1,227	, 007	——	4	—54 34 7,27	,853	, 172	——
2725	Lyncis 8.9	4	44 30,89	5,153	, 024	+,008	3	+57 47 24,58	,871	, 745	— ,10
2726	Lyncis 8	2	44 43,92	5,157	, 024	+,014	4	+57 49 57,10	,891	, 744	+ ,01
2727	Canis Major 5	12	44 52,27	2,180	, 003	+,001	10	—34 10 37,95	,901	, 315	+ ,05
2728	Geminor. 8	4	45 3,59	3,494	, 007	+,010	7	+17 53 0,87	,917	, 504	— ,02
2729	Canis Major 8.9	3	45 5,82	2,184	, 003	+,017	4	—34 5 8,42	,922	, 315	+ ,04
2730	37 Geminor. 6	7	45 9,61	3,698	, 009	+,007	5	+25 34 27,24	,926	, 533	— ,05
2731	Navis x 6	8	45 15,63	1,692	, 004	——	8	—46 26 30,16	,935	, 243	——
2732	38 Geminor. e¹ 5.6	5	45 19,94	3,383	, 005	+,011	6	+13 22 51,68	,942	, 488	— ,08
2733	Navis 8.9	4	45 25,15	1,029	, 008	——	4	—57 17 49,36	,949	, 144	——
2734	——— 7.8	3	45 29,79	1,016	, 008	——	3	—57 28 17,15	,956	, 142	——
2735	31 Teles. Hers. 6	4	45 33,94	4,396	, 015	+,008	4	+45 17 57,32	,961	, 635	+ ,01
2736	Navis τ 4	7	45 50,61	1,486	, 007	——	10	—50 25 14,24	,986	, 215	——
2737	——— n 6.7	4	45 53,43	2,118	, 003	—,001	4	—36 1 59,77	,989	, 307	— ,10
2738	——— 7	3	45 54,35	1,890	, 004	——	3	—42 0 42,73	,990	, 273	——
2739	——— 7.8	3	45 59,99	0,951	, 009	——	3	—58 16 43,92	,999	, 135	——
2740	——— 8	3	46 0,17	2,047	, 003	——	3	—38 1 15,87	,999	, 297	——
2741	Canis Major 9	3	46 14,49	2,639	, 003	+,020	3	—18 14 46,53	4,019	, 282	+ ,14
2742	Navis B 5	3	46 15.88	1,305	, 008	——	3	—53 25 54,35	,021	, 184	——
2743	15 Canis Major π¹ 5.6	6	46 24,82	2,593	, 003	+,003	7	—20 1 31,30	,035	, 374	+ ,03
2744	Equ. Pict. α 4	10	46 29,90	0,632	, 011	——	10	—61 45 57,67	,042	, 092	——
2745	14 Canis Major θ 5	10	46 31,60	2,797	, 004	+,002	7	—11 50 14,31	,045	, 403	+ ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2746	Geminor. 7	9	6 46 40,71	+3,495	—,00007	+,010	5	+17 56 36,89	4,058	—,00503	—0,07
2747	Navis 7.8	4	46 53,30	1,150	, 009	——	4	—55 42 36,52	,075	, 162	——
2748	Canis Major 7.8	3	46 59,27	2,487	, 003	+,004	3	—24 1 48,72	,084	, 357	— ,06
2749	101 ——— 6	3	47 0,09	2,366	, 003	+,037	4	—28 19 9,97	,085	, 339	— ,44
2750	Lyncis 7	4	47 1,29	5,151	, 026	+,007	2	+57 48 36,55	,086	, 743	— ,07
2751	Navis 7	3	47 9,98	1,560	, 007	——	3	—49 5 51,36	,099	, 224	——
2752	16 Canis Major o^1 4	11	47 17,33	2,489	, 003	+,007	10	—23 58 56,92	,110	, 357	+ ,05
2753	Navis 7	3	47 29,81	1,880	, 004	——	3	—42 18 16,83	,128	, 271	——
2754	31 Lyncis 6.7	4	47 41,01	4,944	, 023	+,009	4	+55 4 26,12	,143	, 717	— ,18
2755	257 Aurigæ 6	3	47 47,71	4,103	, 011	—,004	4	+38 16 12,22	,153	, 589	— ,13
2756	Navis 7.8	3	47 50,65	1,875	, 004	——	3	—42 25 37,80	,157	, 271	——
2757	17 Canis Major π^2 6	6	47 55,38	2,590	, 003	+,006	4	—20 11 58,68	,162	, 373	— ,01
2758	Geminor. 7	4	48 6,23	3,499	, 007	+,006	5	+18 6 43,68	,179	, 502	— ,08
2759	19 Canis Major. π^3 5.6	5	48 28,38	2,597	, 003	+,021	4	—19 55 53,97	,210	, 373	— ,04
2760	18 ——— μ 5.6	6	48 33,14	2,749	, 003	+,015	5	—13 50 9,92	,217	, 328	— ,07
2761	39 Geminor. y^1 6.7	11	48 36,93	3,717	, 009	+,003	3	+26 17 23,98	,221	, 534	+ ,03
2762	20 Canis Major ι 4.5	18	48 46,83	2,675	, 003	+,008	11	—16 50 45,90	,238	, 384	— ,08
2763	Navis 7.8	4	48 54,73	0,969	, 010	——	4	—58 7 42,68	,248	, 138	——
2764	32 Lyncis 6.7	5	49 3,92	5,174	, 027	—,001	4	+58 9 9,62	,261	, 744	,00
2765	66 Navis 6	3	49 14,94	1,888	, 004	,000	4	—42 9 38,41	,277	, 272	— ,04
2766	40 Geminor. y^2 6.7	5	49 16,43	3,712	, 009	+,008	5	+26 7 49,90	,278	, 533	— ,06
2767	Navis 6.7	3	49 16,79	1,281	, 008	——	3	—53 53 14,35	,281	, 180	——
2768	Lyncis 7	4	49 19,67	4,731	, 020	—,004	4	+51 47 30,59	,285	, 682	— ,05
2769	Navis 7	3	49 30,97	2,038	, 003	——	3	—38 20 52,41	,299	, 294	——
2770	——— 7	3	49 32,84	2,203	, 003	——	3	—33 35 52,20	,302	, 316	——
2771	112 Canis Major. 7	6	49 41,80	2,675	, 003	—,018	3	—16 53 10,53	,315	, 385	— ,08
2772	Navis 6.7	3	49 57,47	1,492	, 007	——	3	—50 24 52,32	,337	, 215	——
2773	——— 6.7	3	50 21,11	0,887	, 010	——	3	—59 8 15,93	,371	, 127	——
2774	Geminor. 7	4	50 21,87	3,449	, 007	+,009	3	+16 9 33,97	,372	, 495	— ,14
2775	Navis 7.8	3	50 38,52	2,077	, 003	——	3	—27 18 36,09	,394	, 299	——
2776	105 Geminor. 7	4	50 40,33	3,643	, 009	+,015	4	+23 39 44,02	,397	, 524	— ,01
2777	——— 7	4	50 45,41	3,807	, 010	+,001	4	+29 26 22,75	,405	, 547	+ ,02
2778	Canis Major. 6	5	50 45,50	2,479	, 003	+,008	4	—24 25 14,62	,405	, 355	,00
2779	41 Geminor. 6.7	6	50 46,76	3,452	, 007	+,016	6	+16 17 57,80	,408	, 495	— ,12
2780	Navis 7	3	50 50,38	2,153	, 003	——	3	—35 7 40,03	,412	, 309	——
2781	33 Lyncis 6.7	3	51 25,54	5,332	, 030	+,012	4	+60 2 6,11	,462	, 764	+ ,03
2782	Navis 7	3	51 25,57	2,100	, 003	——	3	—36 40 17,51	,462	, 302	——
2783	Lyncis 8.9	4	51 27,34	4,493	, 018	+,012	4	+47 29 10,96	,465	, 644	— ,04
2784	Navis 9.10	2	51 33,68	0,827	, 011	——	2	—59 50 58,45	,474	, 120	——
2785	——— 8	3	51 33,78	1,207	, 009	——	3	—55 2 25,55	,474	, 169	——
2786	Navis 8	4	51 36,18	0,843	, 011	——	4	—59 40 18,04	,477	, 122	——
2787	Teles Hers. 6.7	4	51 43,18	4,483	, 018	+,011	4	+47 16 43,48	,487	, 643	— ,02
2788	Canis Major. 6	6	51 50,38	2,458	, 003	+,009	4	—25 11 45,69	,498	, 353	— ,05
2789	Navis 6	4	51 52,74	1,598	, 006	——	4	—48 30 24,19	,502	, 229	— ,04
2790	21 Canis Major. ε 2.3	27	52 8,64	2,356	, 003	+,011	58	—28 45 7,83	,525	, 338	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
2791	42 Geminor. ω¹ 6	6	6 52 21,16	+3,663	—,00009	+,003	5	+24 26 36,08	4,542	—,00525	—0,05
2792	Navis t 6	4	52 22,74	2,196	, 003	—,001	4	—33 53 31,90	,546	, 314	+ ,02
2793	——— 7	3	52 29,35	1,832	, 004	——	3	—43 34 11,37	,554	, 263	——
2794	34 Lyncis 6.7	4	52 31,73	4,799	, 024	—,020	4	+52 59 42,59	,557	, 690	— ,03
2795	Canis Major. 8	4	52 36,21	2,357	, 003	+,016	4	—28 44 24,23	,562	, 337	+ ,10
2796	Navis 6.7	3	52 43,52	1,475	, 007	——	3	—50 47 53,71	,572	, 211	——
2797	——— 8	3	52 43,79	1,490	, 007	——	3	—50 32 20,50	,575	, 213	——
2798	——— 7.8	4	52 55,35	1,086	, 010	——	4	—56 45 13,66	,589	, 152	——
2799	Geminor. 6.7	9	53 0,83	3,810	, 010	+,016	9	+29 36 21,60	,598	, 546	— ,75
2800	131 Camelop. 6.7	10	53 44,35	11,808	, 316	+,007	8	+81 32 0,40	,659	,01668	— ,06
2801	Navis 7.8	3	53 44,83	1,225	, 009	——	3	—54 49 38,58	,661	,00170	——
2802	76 ——— 6.7	4	53 53,82	1,746	, 005	+,008	4	—45 32 37,58	,673	, 249	— ,01
2803	——— 7	3	54 15,81	1,152	, 010	——	3	—55 52 51,71	,704	, 160	——
2804	125 Monocer. 6	3	54 16,82	3,285	, 006	+,021	4	+ 9 22 15,41	,707	, 472	— ,06
2805	Geminor. 8	4	54 18,61	3,566	, 009	+,005	4	+20 49 50,83	,709	, 504	+ ,13
2806	43 Geminor. ζ 4	23	54 19,14	3,565	, 009	+,005	38	+20 48 17,71	,709	, 504	— ,02
2807	Lyncis 8.9	3	54 23,88	4,604	, 021	—,009	4	+49 42 41,33	,717	, 659	— ,04
2808	Navis 6.7	3	54 28,49	1,950	, 003	——	3	—40 46 39,97	,722	, 281	——
2809	19 Monocer. s 5.6	10	54 43,31	2,980	, 005	+,014	12	— 4 0 22,69	,742	, 430	—,13
2810	35 Lyncis 6.7	7	54 49,20	5,418	, 035	,000	10	+61 2 25,48	,751	, 670	— ,06
2811	Lyncis 6.7	5	54 56,45	5,413	, 035	+,009	6	+60 59 33,16	,762	, 670	— ,02
2812	22 Canis Major. σ 3.4	11	55 8,92	2,389	, 003	+,005	11	—27 42 12,69	,780	, 342	,00
2813	Monocer. var.	10	55 15,54	2,980	, 005	+,014	3	— 4 1 49,80	,788	, 430	— ,04
2814	Teles. Hers. B 6	3	55 18,35	3,971	, 011	—,013	4	+34 43 0,83	,793	, 567	— ,07
2815	Navis 9	10	55 21,47	0,764	, 012	——	10	—60 37 42,84	,798	, 107	——
2816	44 Geminor. w² 6.7	7	55 22,13	3,619	, 009	+,013	5	+22 52 36,87	,798	, 517	— ,06
2817	Navis 6.7	3	55 27,01	1,182	, 009	——	3	—55 29 55,15	,806	, 165	——
2818	——— 6.7	3	55 30,80	1,134	, 009	——	3	—56 9 59,38	,810	, 158	——
2819	——— 6.7	5	55 40,64	1,960	, 003	——	5	—40 33 48,30	,825	, 283	——
2820	Camelop. 4.5	9	55 54,64	13,202	, 435	—,016	10	+82 42 12,73	,844	,01863	— ,03
2821	Navis 7	3	56 2,61	1,584	, 007	——	3	—48 54 8,95	,856	,00225	——
2822	24 Canis Major. o² 4	10	56 8,21	2,504	, 004	+,009	10	—23 35 48,73	,864	, 358	+ ,04
2823	23 ——— γ 4	24	56 17,64	2,714	, 004	+,011	10	—15 23 41,57	,878	, 389	— ,06
2824	Navis 6.7	4	56 24,24	1,957	, 003	——	4	—40 39 47,49	,887	, 282	——
2825	——— 8	14	56 30,78	0,744	, 012	——	14	—60 52 12,56	,895	, 105	——
2826	130 Monocer. 6	4	56 36,86	3,286	, 007	+,010	4	+ 9 25 43,61	,903	, 471	— ,08
2827	116 Geminor. 7	3	56 42,12	3,492	, 008	+,013	1	+17 59 16,32	,911	, 499	— ,16
2828	4 Lyncis 7	3	56 52,96	5,256	, 033	+,015	3	+59 19 7,99	,927	, 754	— ,06
2829	Navis 7	3	57 2,16	0,769	, 012	——	3	—60 36 42,30	,940	, 108	——
2830	——— 6.7	3	57 8,73	1,514	, 008	——	3	—50 13 55,68	,950	, 217	——
2831	80 Navis 6.7	4	57 9,22	1,855	, 004	+,009	4	—43 10 0,71	,950	, 266	— ,10
2832	——— 7	4	57 9,30	1,888	, 004	——	4	—42 23 46,08	,950	, 271	——
2833	——— 7	3	57 56,89	1,517	, 008	——	3	—50 11 29,13	5,018	, 216	——
2834	Canis Major. 8	4	58 2,17	2,733	, 004	+,010	4	—14 37 36,06	,025	, 392	— ,01
2835	Navis 8	4	58 11,22	0,770	, 013	——	4	—60 37 42,53	,038	, 108	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2836	Lyncis 8	7	6 58 23,82	+4,621	—,00023	+,025	6	+50 9 28,36	5,056	—,00656	—0,04
2837	Navis 6.7	8	58 31,75	0,942	, 012	——	8	—58 42 32,18	,068	, 134	——
2838	——— 8	3	58 33,91	1,302	, 010	——	3	—53 49 22,62	,070	, 182	——
2839	Geminor. 8.9	3	58 34,43	3,437	, 008	+,009	2	+15 47 33,96	,070	, 490	+ ,14
2840	Navis 7.8	4	58 40,95	0,746	, 014	——	4	—60 54 22,34	,081	, 106	——
2841	Geminor. 6.7	3	58 46,21	3,437	, 008	+,009	1	+15 47 18,48	,087	, 490	+, 43
2842	——— 7	4	58 48,37	3,830	, 012	+,009	4	+30 24 7,55	,090	, 546	—, 11
2843	Navis C 6	4	58 49,15	1,902	, 004	+,010	3	—42 5 51,78	,091	, 272	+, 03
2844	——— 7.8	4	58 53,02	1,210	, 010	——	4	—55 12 5,30	,098	, 168	——
2845	83 ——— 6	4	58 53,91	1,849	, 005	—,005	4	—43 23 3,35	,099	, 261	+, 09
2846	45 Geminor. o 6	6	58 54,08	3,446	, 008	+,005	6	+16 11 13,16	,099	, 492	—, 18
2847	Navis 8	4	58 55,48	1,849	, 005	—,007	1	—43 23 16,85	,100	, 261	+, 03
2848	Lyncis 7	4	59 18,83	4,614	, 024	+,001	4	+50 3 1,24	,133	, 656	—, 06
2849	Navis H 6	4	59 36,32	1,566	, 007	——	4	—49 20 42,30	,157	, 222	——
2850	——— 6.7	3	7 0 7,33	1,972	, 003	——	3	—40 23 38,57	,200	, 283	——
2851	Navis 8	3	0 15,41	1,178	, 011	——	3	—55 42 15,92	,212	, 164	——
2852	63 Aurigæ 5	12	0 17,72	4,139	, 015	+,002	10	+39 34 51,77	,216	, 590	—, 07
2853	Navis 6.7	3	0 32,30	2,058	, 003	——	3	—38 7 58,63	,237	, 293	——
2854	46 Geminor. r 5	10	0 37,77	3,831	, 012	+,005	9	+30 30 26,84	,246	, 505	—, 14
2855	Navis 9.10	5	0 42,40	0,760	, 014	——	5	—60 49 4,67	,251	, 107	——
2856	Navis 6	3	0 42,82	0,929	, 012	——	3	—58 56 1,86	,252	, 131	——
2857	88 ——— 6.7	3	0 43,33	1,906	, 004	—,001	3	—42 4 40,99	,252	, 271	—, 15
2858	Can. Min. 9	4	0 44,94	3,232	, 006	+,015	4	+ 7 6 16,72	,255	, 463	+, 04
2859	Lyncis 7	2	1 1,74	5,310	, 037	—,005	4	+60 2 45,31	,279	, 756	—, 03
2860	47 Geminor 6	6	1 8,79	3,732	, 011	+,007	4	+27 7 13,62	,288	, 530	—, 03
2861	Navis 6	3	1 12,74	1,122	, 011	——	3	—56 30 3,26	,294	, 156	——
2862	——— 7	4	1 15,13	1,853	, 005	——	4	—43 21 31,18	,297	, 263	——
2863	42 Lyncis 6	6	1 28,11	5,297	, 036	—,011	4	+59 55 13,24	,315	, 754	—, 26
2864	Can. Min. 8.9	4	1 39,82	3,214	, 006	+,019	4	+ 6 20 0,94	,333	, 460	+, 01
2865	25 Can. Maj. δ 3.4	18	1 40,97	2,439	, 004	+,003	10	—26 8 8,35	,335	, 345	+, 04
2866	Navis D 6	4	1 43,01	1,965	, 003	+,003	4	—40 38 19,73	,337	, 281	+, 01
2867	——— 7.8	3	1 45,42	1,978	, 003	——	3	—40 16 56,68	,340	, 283	——
2868	Can. Min. 9	6	1 45,70	3,208	, 006	+,061	6	+ 6 4 47,93	,341	, 459	—, 05
2869	123 Geminor. 7	4	1 51,29	3,431	, 008	+,003	4	+15 35 48,98	,349	, 488	—, 11
2870	Navis 8	2	1 54,80	1,306	, 010	——	2	—53 52 6,16	,354	, 182	——
2871	Can. Min. 8	3	1 58,58	3,206	, 006	+,012	3	+ 6 0 2,29	,360	, 451	—, 14
2872	20 Monocer. 5.6	6	2 1,98	2,981	, 005	+,006	5	— 3 59 8,44	,364	, 428	+, 11
2873	48 Geminor. m 6	6	2 24,65	3,655	, 010	+,013	5	+24 23 51,70	,396	, 521	+, 01
2874	Navis 8.9	3	2 34,94	0,790	, 014	——	3	—60 33 13,37	,410	, 113	——
2875	125 Geminor 7	4	2 40,05	3,699	, 011	+,004	4	+26 0 59,73	,417	, 526	—, 08
2876	Can. Maj. 5.6	6	2 55,22	2,472	, 004	+,003	5	—24 58 9,04	,438	, 350	— ,02
2877	——— 8	3	2 57,00	2,472	, 004	—,003	3	—24 56 46,23	,441	, 350	—, 03
2878	1 Monocer. 6	3	2 57,66	3,071	, 005	+,003	4	— 0 2 9,30	,442	, 441	—, 02
2879	Navis 7.8	3	3 1,67	0,851	, 013	——	3	—59 54 8,54	,448	, 122	——
2880	1 Can. Min. 6	3	3 3,22	3,204	, 006	+,007	4	+ 5 55 18,73	,449	, 459	—, 02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2881	Navis 7	4	7 3 4,56	+0,405	—,00019	——	4	—64 14 15,54	5,450	—,00050	——
2882	—— 7.8	7	3 5,64	0,752	, 014	——	7	—60 58 21,23	,453	, 093	——
2883	Geminor. 8	3	3 13,53	3,448	, 008	+,013	4	+16 21 14,05	,463	, 490	—0,07
2884	Navis P 7	3	3 16,58	1,441	, 009	——	3	—51 42 42,31	,469	, 202	——
2885	—— A 6	4	3 18,73	2,014	, 003	—,006	4	—39 23 42,04	,471	, 288	— ,09
2886	126 Geminor. 7	3	3 23,67	3,426	, 008	+,013	4	+15 26 50,62	,479	, 487	— ,11
2887	Can. Min. 9	4	3 24,65	3,309	, 007	+,014	4	+10 27 58,94	,480	, 470	— ,17
2888	22 Monocer. *m* 4.5	19	3 26,27	3,066	, 005	+,003	9	— 0 13 30,84	,482	, 439	+ ,04
2889	Navis 8	7	3 28,04	0,736	, 014	——	8	—61 8 56,33	,484	, 104	——
2890	—— 7	3	3 33,62	1,428	, 009	——	3	—51 56 49,09	,491	, 200	——
2891	51 Geminor. 5	12	3 53,57	3,450	, 008	+,007	20	+16 25 55,98	,520	, 490	— ,06
2892	Monocer. 7	3	4 2,67	2,954	, 005	,000	2	— 5 10 33,11	,533	. 522	— ,05
2893	Navis 7	3	4 11,37	0,869	, 013	——	3	—59 44 13,90	,545	, 123	——
2894	136 Camelop. 6.7	6	4 14,27	11,380	, 349	—,032	8	+81 12 33,96	,549	,01594	+ ,01
2895	44 Lyncis 7	3	4 19,36	5,226	, 037	—,005	4	+59 12 3,19	,555	,00745	— ,10
2896	52 Geminor. *n* 7	7	4 35,96	3,674	, 009	+,007	5	+25 9 50,01	,579	, 522	— ,15
2897	Can. Min. 8	4	4 42,71	3,320	, 007	+,015	3	+10 57 53,11	,589	, 474	+ ,01
2898	Navis 6.7	3	4 49,44	0,895	, 013	——	3	—59 27 19,14	,597	, 136	——
2899	—— 8	3	4 50,63	1,990	, 003	——	3	—40 6 3,91	,601	, 284	——
2900	45 Lyncis 6.7	3	4 51,41	5,244	, 037	+,016	4	+59 24 37,89	,601	, 748	— ,07
2901	140 Monocer. 7	5	4 52,18	3,071	, 005	+,006	4	+ 0 0 48,56	,602	, 439	+ ,02
2902	Navis 6.7	3	5 6,66	1,089	, 011	——	3	—57 4 7,53	,622	, 151	——
2903	Can. Maj. G 7	3	5 21,79	2,822	, 004	,000	4	—10 58 41,79	,643	, 401	— ,04
2904	26 —— 6	6	5 27,25	2,455	, 004	+,002	3	—25 40 16,05	,651	, 347	— ,10
2905	Camelop. 9	4	5 28,77	5,292	, 038	+,021	4	+59 59 1,13	,654	, 750	— ,01
2906	47 Lyncis 6.7	4	5 31,74	5,252	, 038	+,002	4	+59 32 25,89	,658	, 745	— ,11
2907	Can. Min. 9	4	5 36,89	3,258	, 007	+,015	3	+ 8 18 36,85	,664	, 464	— ,04
2908	53 Geminor. *z* 6	10	5 38,48	3,758	, 011	+,011	9	+28 10 35,32	,667	, 533	— ,10
2909	141 Monocer. 6	3	5 41,08	3,147	, 006	+,025	4	+ 3 23 17,22	,671	, 448	+ ,02
2910	Navis 6	3	5 42,35	2,314	, 004	——	3	—30 32 59,18	,672	, 327	——
2911	Navis 6.7	3	5 46,49	2,039	, 003	——	3	—38 49 59,67	,677	, 289	——
2912	—— 7.8	7	6 2,79	1,163	, 011	——	5	—56 5 34,64	,701	, 160	——
2913	—— 7.8	5	6 5,56	1,163	, 011	——	2	—56 6 1,61	,704	, 160	——
2914	Lyncis 8	4	6 10,85	4,194	, 017	+,008	4	+41 13 47,53	,713	, 594	+ ,01
2915	Can. Min. 8	4	6 28,14	3,292	, 007	+,019	4	+ 9 46 44,52	,736	, 466	+ ,07
2916	64 Aurigæ 5	9	6 33,14	4,191	, 017	+,011	10	+41 10 6,02	,743	, 593	+ ,04
2917	Navis 6	3	6 34,37	2,131	, 003	——	3	—36 16 12,14	,744	, 301	——
2918	—— 8.9	7	6 38,19	1,164	, 011	——	6	—56 6 13,16	,751	, 160	+1,7B
2919	3 Can. Min. 6.7	3	6 42,34	3,257	, 007	+,009	4	+ 8 15 29,93	,756	, 462	— ,04
2920	Navis E 6.7	3	6 48,09	1,988	, 003	—,001	4	—40 13 26,75	,764	, 283	— ,08
2921	134 Geminor. 6.7	3	6 49,73	3,723	, 011	+,008	4	+26 58 45,42	,768	, 526	— ,16
2922	144 Monocer. 6.7	4	6 52,87	3,071	, 005	+,013	4	+ 0 7 8,01	,772	, 437	— ,01
2923	Navis 7.8	3	6 52,88	0,825	, 014	——	3	—60 18 33,08	,772	, 115	——
2924	Camelop. 8.9	3	7 2,86	5,402	, 042	+,004	3	+61 13 26,61	,785	, 751	+ ,11
2925	Navis 6.7	3	7 3,99	1,221	, 011	——	3	—55 18 55,35	,786	, 168	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2926	Navis 6.7	3	7 7 7,56	+0,844	—,00014	——	3	—60 6 46,25	5,790	—,00123	——
2927	Geminor. 7	6	7 16,45	3,448	, 013	+,004	7	+16 25 46,52	,803	, 486	—0,06
2928	Camelop. *var.*	4	7 20,00	5,344	, 041	+,012	4	+60 37 21,01	,809	, 754	— ,13
2929	104 Navis 6.7	3	7 26,38	2,308	, 004	+,005	5	—30 48 16,99	,811	, 326	+ ,01
2930	27 Can. Maj. e^1 4.5	15	7 31,82	2,445	, 004	+,002	10	—26 4 21,07	,825	, 344	+ ,01
2931	Can. Min. 9	4	7 32,92	3,288	, 008	+,012	5	+ 9 37 15,72	,826	, 465	+ ,06
2932	Geminor. 7.8	4	7 40,90	3,452	, 009	+,008	3	+16 34 40,86	,838	, 487	— ,08
2933	140 Camelop. 6.7	3	7 47,68	5,304	, 040	—,009	4	+60 11 45,46	,847	, 748	— ,05
2934	Arg. in Pup. I 5	13	7 51,53	1,724	, 006	——	13	—46 29 13,27	,852	, 241	——
2935	146 Monocer. 6.7	4	7 54,69	2,839	, 004	+,002	4	—10 18 1,06	,857	, 401	— ,06
2936	28 Can. Maj. ω 6	5	8 6,99	2,434	, 004	+,011	10	—26 29 27,05	,873	, 342	+ ,02
2937	Navis 7	3	8 14,88	2,322	, 004	——	3	—30 22 29,71	,885	, 327	——
2938	Arg. in Pup. L^1 5	9	8 17,28	1,797	, 005	+,013	10	—44 53 57,96	,888	, 252	— ,18
2939	Navis L 6	3	8 30,02	1,821	, 005	+,026	3	—44 22 26,04	,906	, 254	+ ,49
2940	—— 7	4	8 30,19	2,002	, 003	——	4	—39 54 49,01	,906	, 285	——
2941	54 Geminor. λ 4.5	18	8 36,48	3,458	, 010	+,002	20	+16 49 53,16	,914	, 487	— ,05
2942	4 Can. Min. 6.7	3	8 36,72	3,287	, 008	—,005	4	+ 9 35 9,16	,915	, 464	— ,06
2943	—— 8	3	8 57,93	3,290	, 008	—,013	4	+ 9 44 59,99	,945	, 465	+ ,15
2944	Lyncis *f* 7.8	7	9 22,02	4,934	, 035	+,049	6	+55 35 7,32	,982	, 701	— ,04
2945	—— 8.9	3	9 23,98	4,937	, 035	+,024	4	+55 38 29,81	,982	, 701	— ,12
2946	Monocer. 7	2	9 28,98	2,928	, 005	+,002	4	— 6 23 26,88	,989	, 415	— ,03
2947	109 Navis 6	3	9 34,17	1,956	, 003	+,019	4	—41 8 30,78	,995	, 277	— ,08
2948	Lyncis D 7	3	9 36,13	4,616	, 027	+,016	4	+50 26 52,61	,998	, 649	— ,04
2949	Navis 8	3	9 42,70	0,900	, 013	——	3	—59 33 31,62	6,008	, 129	——
2950	—— 6.7	3	9 57,30	1,355	, 010	——	3	—53 23 4,97	,028	, 187	——
2951	Can. Maj. 6	6	9 58,35	2,404	, 004	+,006	5	—27 35 40,63	,029	, 337	— ,02
2952	Navis 5.6	4	10 2,09	1,724	, 006	——	4	—46 33 50,07	,035	, 241	——
2953	Pis. Vol. γ 5	10	10 7,21	—0,476	, 034	——	8	—70 13 47,42	,041	+,00067	——
2954	55 Geminor. δ 3.4	20	10 15,79	+3,593	, 011	+,007	23	+22 16 44,37	,054	—, 504	— ,03
2955	Navis 7	—	10 ——	0,718	, 015	——	2	—61 33 6,47		, 101	——
2956	Navis 7.8	3	10 24,31	0,762	, 015	——	3	—61 5 54,20	,066	, 122	——
2957	5 Can. Min. 6.7	3	10 44,98	3,138	, 005	+,008	4	+ 3 2 13,28	,094	, 444	+ ,02
2958	114 Navis 6.7	3	10 49,68	2,075	, 003	+,009	3	—38 1 42,49	,102	, 292	+ ,05
2959	6 Can. Min. 6.7	3	10 53,21	3,238	, 006	+,011	4	+ 7 26 32,97	,106	, 458	— ,05
2960	115 Navis 6.7	3	10 57,08	2,135	, 003	+,005	4	—36 18 5,74	,111	, 299	— ,06
2961	65 Aurigæ 5	9	11 0,53	4,033	, 016	+,011	10	+37 3 45,86	,115	, 568	— ,11
2962	Navis π 3.4	12	11 18,98	2,119	, 003	+,025	10	—36 48 19,77	,141	, 297	,00
2963	—— 7.8	3	11 24,05	1,542	, 008	——	3	—50 12 32,55	,149	, 217	——
2964	—— 7	3	11 30,32	1,731	, 006	——	3	—46 29 4,91	,157	, 241	——
2965	Lyncis 7	7	11 35,76	5,022	, 037	+,016	8	+56 52 48,32	,164	, 713	— ,09
2966	Lyncis 7.8	6	11 43,40	5,019	, 037	+,009	3	+56 51 12,12	,174	, 712	— ,01
2967	Navis 7	4	11 47,82	2,051	, 003	——	4	—38 43 51,28	,181	, 289	——
2968	—— 7	4	11 48,05	2,055	, 003	——	4	—38 37 17,12	,181	, 289	——
2969	29 Can. Maj. 6	6	11 48,26	2,498	, 004	+,014	10	—24 15 45,23	,181	, 350	— ,02
2970	30 —— *d* 6	5	11 52,06	2,487	, 004	+,003	5	—24 39 28,88	,187	, 349	+ ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
2971	Can. Maj. 7	3	7 12 10,59	+2,322	—,00004	——	3	—30 30 7,48	6,211	—,00326	——
2972	56 Geminor. g 5.6	7	12 12,30	3,553	, 010	—,001	7	+20 44 51,99	,215	, 497	—0,07
2973	Navis 7	3	12 15,03	0,798	, 015	——	3	—60 46 52,30	,219	, 112	——
2974	Can. Maj. 8	2	12 21,96	2,487	, 004	—,004	3	—24 39 28,19	,228	, 349	— ,03
2975	119 Navis 6	3	12 26,59	2,133	, 003	+,009	4	—36 26 14,65	,235	, 299	— ,08
2976	Navis 7	4	12 30,80	1,338	, 010	——	4	—53 44 59,14	,240	, 183	——
2977	—— 7.8	4	12 38,37	1,327	, 010	——	4	—53 56 2,64	,251	, 181	——
2978	Teles. Hers. g 5.6	3	12 42,09	4,175	, 018	+,011	4	+40 58 53,20	,256	, 587	— ,16
2979	Navis 7	3	12 42,67	1,018	, 013	——	3	—58 15 2,97	,257	, 141	——
2980	120 —— 6	3	12 46,38	2,133	, 003	+,012	4	—36 26 42,45	,261	, 299	— ,05
2981	Navis 7	8	12 46,54	1,722	, 006	——	8	—46 42 33,30	,261	, 240	——
2982	—— F 6.7	2	12 55,88	2,046	, 003	+,001	4	—38 54 44,39	,276	, 288	+ ,04
2983	—— 7.8	3	12 56,34	0,997	, 013	——	3	—58 30 46,10	,276	, 138	——
2984	—— M 7	3	12 58,11	1,858	, 005	+,018	4	—43 41 20,31	,278	, 259	— ,07
2985	—— 6.7	3	13 5,28	2,233	, 004	——	3	—33 25 36,70	,288	, 312	——
2986	Navis 7	3	13 24,04	2,089	, 003	——	3	—37 44 20,86	,315	, 294	——
2987	57 Geminor. A 6	5	13 24,67	3,673	, 012	+,002	5	+25 21 39,02	,316	, 516	— ,01
2988	143 —— 6.7	6	13 29,23	3,498	, 010	+,013	4	+18 34 59,97	,322	, 488	— ,05
2989	58 —— 7	8	13 32,97	3,616	, 011	+,017	4	+23 15 19,21	,326	, 504	— ,08
2990	150 Monocer. 6	4	13 35,48	3,082	, 005	+,012	4	+ 0 29 0,01	,329	, 435	— ,07
2991	Camelop. z 6	3	13 37,87	6,341	, 073	—,011	4	+68 47 24,21	,334	, 874	— ,10
2992	Navis 9	7	13 52,30	0,853	, 014	——	6	—60 13 53,90	,354	, 119	——
2993	—— 7.8	4	14 1,96	1,519	, 008	——	4	—50 44 37,97	,367	, 211	——
2994	—— 7	3	14 2,41	1,803	, 005	——	3	—45 0 4,04	,367	, 251	——
2995	153 Monocer. 6.7	4	14 7,14	2,878	, 004	+,001	4	— 8 40 21,76	,373	, 407	— ,01
2996	Lyncis g 5.6	4	14 14,75	4,557	, 027	+,006	4	+49 31 46,12	,385	, 637	— ,12
2997	59 Geminor 6.7	13	14 17,05	3,743	, 013	+,009	15	+27 56 57,05	,388	, 523	+ ,01
2998	Can. Maj. 6	6	14 17,89	2,464	, 004	+,018	5	—25 35 13,80	,389	, 346	— ,02
2999	152 Monocer 6	2	14 19,81	2,945	, 006	+,006	3	— 5 40 26,14	,392	, 417	— ,04
3000	Navis 7	3	14 28,05	1,762	, 006	——	3	—45 55 53,10	,403	, 244	——
3001	Geminor 8.9	2	14 30,00	3,615	, 011	+,016	3	+23 14 30,98	,406	, 502	— ,17
3002	Navis 7	2	14 35,25	2,274	, 004	——	2	—32 10 14,51	,412	, 319	——
3003	—— 8	4	14 44,33	1,717	, 006	——	4	—46 55 6,06	,425	, 238	——
3004	—— 7	3	14 56,89	1,579	, 008	——	3	—49 40 47,78	,443	, 220	——
3005	—— 7.8	3	15 1,11	0,966	, 013	——	3	—58 57 47,48	,448	, 134	——
3006	64 Teles. Hers. 6.7	4	15 15,77	4,276	, 021	+,006	4	+43 34 37,23	,469	, 593	— ,11
3007	60 Geminor. 4	32	15 28,28	3,747	, 013	—,001	24	+28 7 5,46	,486	, 523	— ,20
3008	—— 7.8	3	15 30,00	3,868	, 015	—,005	4	+32 12 49,22	,489	, 540	,00
3009	1 Can. Min. 6	6	15 47,89	3,333	, 010	,000	4	+11 59 8,90	,513	, 467	— ,04
3010	Navis 7	6	15 53,23	2,272	, 004	——	5	—32 16 35,74	,521	, 318	——
3011	Navis 8	3	15 53,51	2,289	, 004	+,005	—	—31 44 ——	,521	, 320	——
3012	—— 7	3	15 54,95	1,437	, 009	——	3	—52 15 32,94	,523	, 198	——
3013	—— 6 7	3	16 1,59	1,220	, 011	——	3	—55 39 58,59	,531	, 165	——
3014	—— 7.8	10	16 17,16	2,061	, 003	——	7	—38 37 35,79	,554	, 288	——
3015	—— 6	3	16 18,13	2,290	, 003	+,017	4	—31 44 1,93	,555	, 319	+ ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3016	Navis 7	3	7 16 18,66	+1,658	—,00007	——	3	—48 12 19,20	6,556	—,00232	——
3017	—— 7	6	16 22,43	1,068	, 013	——	6	—57 44 53,94	,560	, 148	——
3018	—— 7.8	14	16 22,82	1,454	, 009	——	14	—52 0 34,59	,562	, 201	——
3019	—— 8	4	16 22,92	1,454	, 009	——	3	—52 0 22,85	,562	, 201	——
3020	51 Lyncis 7	3	16 32,72	4,500	, 028	+,010	4	+48 30 36,87	,576	, 627	—0,09
3021	Navis 8	7	16 36,37	2,064	, 003	——	6	—38 33 45,25	,580	, 288	——
3022	2 Can Min. ε 6	6	16 37,61	3,285	, 008	—,024	5	+ 9 35 43,10	,583	, 459	— ,01
3023	Navis 6.7	4	16 38,75	1,461	, 009	——	4	—51 53 21,13	,584	, 202	——
3024	—— S^1 6.7	4	16 42,35	2,294	, 004	+,013	4	—31 36 36,22	,588	, 320	+ ,04
3025	—— 6.7	3	16 49,03	1,658	, 007	——	3	—48 13 1,27	,598	, 231	——
3026	Navis 7.8	3	16 49,60	1,658	, 007	——	3	—48 13 23,78	,600	, 221	——
3027	Pis. Vol. δ 5	6	16 53,36	0,000	, 026	——	9	—67 39 15,77	,604	, 000	——
3028	149 Geminor. 6.7	3	17 5,22	3,578	, 011	,000	4	+21 51 30,77	,620	, 496	— ,05
3029	Navis 6.7	3	17 6,16	1,201	, 011	——	3	—55 59 15,23	,621	, 164	——
3030	Geminor. r 6.7	2	17 12,62	3,545	, 011	+,004	4	+20 34 48,98	,630	, 491	— ,01
3031	Off. Typ. H 6	2	17 13,05	2,712	, 004	+,013	4	—15 52 57,30	,630	, 377	+ ,01
3032	Navis S^2 6	4	17 14,76	2,286	, 004	+,006	4	—31 53 11,35	,633	, 317	+ ,03
3033	Can. Maj. 7	4	17 15,22	2,339	, 004	——	4	—30 8 2,59	,633	, 326	——
3034	Navis 7.8	3	17 20,37	0,810	, 016	——	3	—60 50 11,24	,641	, 111	——
3035	Can. Maj. 7	2	17 21,43	2,373	, 004	+,007	4	—28 58 23,53	,642	, 330	— ,04
3036	52 Lyncis 6	4	17 22,68	4,574	, 029	—,002	4	+50 0 15,62	,645	, 636	— ,06
3037	Can. Maj. 6.7	3	17 27,89	2,346	, 004	——	3	—29 54 1,02	,651	, 326	——
3038	Navis 7	7	17 31,91	2,058	, 003	——	5	—38 46 32,36	,658	, 287	——
3039	31 Can. Maj. η 3	15	17 34,29	2,374	, 004	+,025	18	—28 59 8,79	,660	, 330	+ ,01
3040	Navis 7	3	17 51,54	1,024	, 013	——	3	—58 21 43,83	,684	, 143	——
3041	63 Geminor. p 6	9	17 56,44	3,575	, 011	+,001	5	+21 46 31,71	,691	, 496	— ,16
3042	3 Can. Min. β 3	33	18 12,07	3,262	, 008	+,011	17	+ 8 36 54,87	,712	, 455	— ,14
3043	Navis 7	7	18 14,39	2,043	, 003	——	7	—39 13 7,78	,715	, 285	——
3044	—— S^3 6	4	18 24,77	2,300	, 004	+,014	4	—31 29 20,25	,730	, 320	+ ,01
3045	62 Geminor. ρ 5	7	18 29,51	3,861	, 016	+,030	8	+32 6 16,86	,736	, 536	+ ,13
3046	64 Geminor. b^1 5.6	6	19 3,00	3,753	, 014	,000	7	+28 27 2,49	,782	, 521	— ,08
3047	5 Can. Min. η 6	6	19 9,42	3,231	, 008	—,004	5	+ 7 16 18,19	,790	, 450	— ,13
3048	4 —— γ 5.6	6	19 10,61	3,276	, 008	+,003	5	+ 9 15 10,78	,793	, 455	— ,01
3049	Navis S^4 6.7	2	19 23,17	2,303	, 004	+,024	4	—31 24 52,78	,810	, 320	+ ,05
3050	—— 8	3	19 29,29	0,737	, 017	——	3	—61 40 37,55	,818	, 101	——
3051	Navis 7	3	19 31,50	1,257	, 011	——	3	—55 15 46,79	,820	, 172	——
3052	65 Geminor. b^2 5.6	5	19 32,43	3,747	, 014	+,008	4	+28 14 56,64	,822	, 519	— ,12
3053	Navis 7	8	19 33,94	1,391	, 010	——	8	—53 11 18,83	,824	, 190	——
3054	—— 7.8	3	19 41,43	0,743	, 017	——	3	—61 38 7,51	,834	, 102	——
3055	—— 7	7	19 55,36	1,382	, 010	——	8	—53 20 59,41	,853	, 189	——
3056	Navis 9	3	20 3,55	1,013	, 013	——	3	—58 35 41,80	,864	, 140	——
3057	157 Monocer. 6	8	20 6,55	2,822	, 005	+,017	8	—11 13 39,18	,868	, 387	— ,03
3058	Geminor. 6	2	20 23,55	3,746	, 014	+,005	4	+28 14 56,65	,892	, 519	+ ,25
3059	140 Navis 6.7	3	20 35,03	2,230	, 004	+,019	4	—33 48 45,84	,908	, 309	+ ,02
3060	Lyncis 8	3	20 36,41	4,412	, 027	+,005	4	+46 52 30,87	,909	, 614	— ,08

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
3061	6 Can. Min.	o 5.6	6	7 20 36,60	+3,345	—,00009	+,018	5	+12 20 27,76	6,910	—,00464	—0,10
3062	Navis	7	5	21 7,46	2,239	, 004	+,008	4	—33 33 32,49	,951	, 310	— ,01
3063	Lyncis	6.7	3	21 8,61	4,656	, 032	+,033	4	+51 39 26,94	,954	, 649	— ,10
3064	Navis	7	3	21 10,02	0,717	, 017	——	3	—61 57 2,73	,955	, 098	——
3065	Geminor.	8.9	4	21 10,70	3,737	, 014	+,008	5	+27 57 37,57	,957	, 517	— ,07
3066	Navis	8	3	21 14,51	1,420	, 010	——	3	—52 47 23,36	,961	, 194	——
3067	——	7	3	21 18,68	1,051	, 013	——	3	—58 10 24,65	,968	, 144	——
3068	Monocer.	6.7	4	21 24,76	2,912	, 006	+,012	4	— 7 13 20,51	,976	, 407	+ ,12
3069	Navis	6	8	21 26,35	2,381	, 004	+,013	6	—28 49 28,78	,978	, 331	— ,06
3070	——	8	7	21 36,79	0,854	, 014	——	7	—60 30 50,60	,991	, 117	——
3071	Navis	7	4	22 7,14	2,383	, 004	+,014	4	—28 47 0,00	7,033	, 331	— ,09
3072	——	6.7	3	22 8,26	1,542	, 008	——	3	—50 41 17,95	,035	, 213	——
3073	——	8.9	3	22 21,63	1,281	, 011	——	3	—55 1 57,71	,054	, 174	——
3074	145 ——	6.7	3	22 31,09	2,304	, 004	+,007	4	—31 30 46,79	,066	, 324	— ,07
3075	147 ——	6.7	4	22 43,00	2,316	, 004	+,003	4	—31 7 12,85	,082	, 322	— ,02
3076	Navis	7.8	3	23 11,46	1,291	, 010	——	3	—54 54 41,73	,121	, 175	——
3077	——	7	4	23 19,93	1,524	, 009	——	4	—51 4 4,21	,134	, 210	——
3078	——	y^1 6	3	23 22,89	2,078	, 003	+,005	4	—38 28 29,79	,138	, 288	+ ,07
3079	7 Can. Min.	δ^1 6	5	23 31,54	3,120	, 006	+,003	5	+ 2 15 32,13	,148	, 434	— ,02
3080	Navis	σ 4	10	23 59,86	1,908	, 004	+,015	10	—42 58 16,18	,188	, 263	— ,05
3081	67 Geminor.	7	6	23 59,92	3,429	, 010		6	+15 59 10,88	,188	, 471	+ ,09
3082	——	a^1 4.5	3	24 3,53	3,859	, 016	,000	4	+32 14 30,93	,192	, 532	— ,16
3083	66 ——	α 3	105	24 3,67	3,859	, 016	—,008	133	+32 14 32,62	,193	, 532	— ,11
3084	Navis	8	7	24 4,68	1,284	, 011	——	8	—55 4 33,32	,195	, 174	+2,83
3085	68 Geminor.	k 5	10	24 11,36	3,433	, 010	+,008	10	+16 10 29,67	,203	, 471	— ,10
3086	Navis	k^3 5.6	4	24 17,78	2,333	, 004	—,010	4	—30 37 11,99	,213	, 322	— ,04
3087	——	8	3	24 20,89	0,974	, 013	——	3	—59 14 37,47	,217	, 134	——
3088	8 Can. Min.	δ^2 5.6	9	24 32,61	3,150	, 007	+,013	6	+ 3 38 9,08	,233	, 437	— ,01
3089	Geminor.	7	6	24 39,01	3,830	, 016	——	5	+31 18 40,96	,241	, 527	——
3090	Navis	8	3	24 57,84	2,210	, 004	——	3	—34 38 25,00	,267	, 304	——
3091	Geminor.	8	5	25 5,22	3,761	, 015	+,018	4	+28 58 48,16	,277	, 517	— ,07
3092	Navis	7	3	25 11,95	1,098	, 012	——	3	—57 44 1,56	,286	, 148	——
3093	9 Can. Min.	δ^3 6	5	25 36,39	3,152	, 007	+,016	8	+ 3 43 25,33	,319	, 436	— ,03
3094	Navis	8	4	25 43,64	1,541	, 009	——	4	—50 51 42,79	,331	, 209	——
3095	154 Camelop.	7	3	25 44,42	5,221	, 049	+,004	4	+59 55 32,73	,331	, 723	+ ,02
3096	69 Geminor.	υ 5	10	25 44,89	3,712	, 015	+,004	10	+27 15 20,37	,332	, 509	— ,15
3097	Navis	7.8	3	25 57,75	1,296	, 010	——	3	—54 57 43,13	,349	, 174	——
3098	——	6.7	3	25 59,95	1,461	, 009	——	3	—52 18 33,47	,352	, 198	——
3099	——	6.7	3	26 9,49	1,575	, 009	——	3	—50 15 50,90	,364	, 217	——
3100	——	—	3	26 11,15	1,600	, 008	——	2	—49 46 51,49	,367	, 214	——
3101	Can. Min.	6.7	3	26 13,75	3,151	, 007	+,011	12	+ 3 41 45,64	,371	, 436	— ,01
3102	Navis	6	3	26 15,94	2,508	, 004	——	3	—24 21 37,32	,373	, 345	——
3103	Can. Min.	8	4	26 16,98	3,194	, 007	+,011	3	+ 5 39 4,47	,376	, 441	— ,05
3104	——	7.8	4	26 18,87	3,150	, 007	+,018	4	+ 3 37 45,56	,378	, 436	+ ,01
3105	Navis	7	3	26 36,28	1,546	, 009	——	3	—50 48 38,56	,400	, 212	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3106	Navis 6.7	3	7 26 47,94	+1,358	—,00011	—	3	—54 3 13,49	7,417	—,00184	—
3107	59 Lyncis 7	3	27 8,49	5,018	, 045	+,019	4	+57 26 58,46	,444	, 697	—0,03
3108	Navis 7	3	27 16,12	2,405	, 004	+,013	4	—28 12 53,31	,454	, 330	— ,03
3109	Arg. in pup. n^1 6	6	27 20,35	2,541	, 004	+,003	5	—23 7 12,31	,461	, 349	— ,16
3110	Arg. in pup. n^2 6	5	27 21,18	2,541	, 004	—,005	5	—23 7 10,74	,462	, 349	— ,01
3111	Geminor. 7	8	27 23,06	3,535	, 012	+,011	5	+20 31 18,36	,465	, 481	— ,16
3112	Navis 7	3	27 38,74	0,842	, 016	—	3	—60 54 0,10	,485	, 114	—
3113	——— g 6.7	3	27 41,10	2,472	, 004	+,004	4	—25 45 34,86	,488	, 339	— ,09
3114	Teles. Hers. o^1 6	4	27 42,73	3,953	, 019	+,024	4	+35 24 37,32	,490	, 543	+0,02
3115	Can. Min. 7	5	27 47,67	3,206	, 007	+,001	4	+ 6 13 16,86	,498	, 441	+ ,07
3116	Navis z 6	4	27 53,10	2,171	, 003	+,025	4	—35 59 0,99	,505	, 297	+ ,03
3117	174 Geminor. 6.7	4	27 53,66	3,505	, 012	+,005	4	+19 16 59,95	,506	, 478	— ,07
3118	Navis 6.7	3	27 55,89	1,925	, 004	—	3	—42 43 51,53	,509	, 264	—
3119	176 Geminor. 6.7	3	28 14,75	3,641	, 014	+,005	4	+24 43 24,47	,534	, 497	,00
3120	Navis 7	3	28 22,36	1,120	, 013	—	3	—57 35 23,82	,544	, 152	—
3121	Teles. Hers. o^2 6	4	28 23,04	3,937	, 019	+,008	4	+34 57 17,76	,546	, 539	— ,21
3122	Navis 6 7	3	28 32,90	1,926	, 004	—	3	—42 45 27,14	,558	, 264	—
3123	Can. Min. 7.8	4	28 34,34	3,196	, 006	+,013	4	+ 5 46 2,67	,559	, 440	+ ,01
3124	153 Camelop. 7	12	28 38,14	10,599	, 413	—,045	8	+80 39 35,37	,565	,01428	+ ,05
3125	Arg. in pup. p 5.6	5	28 45,49	2,412	, 004	—,002	6	—28 0 33,78	,575	,00330	— ,11
3126	Navis 7	3	28 53,82	1,416	, 011	—	3	—53 12 2,57	,587	, 191	—
3127	——— 8.9	3	28 55,05	2,541	, 004	+,003	2	—23 11 19,02	,588	, 347	— ,06
3128	——— 7	3	28 59,06	1,967	, 003	—	3	—41 42 55,70	,594	, 270	—
3129	58 Lyncis 6.7	3	28 59,48	4,470	, 031	—,006	4	+48 30 26,77	,594	, 613	— ,19
3130	——— h 7	3	29 0,43	5,138	, 050	+,008	4	+59 5 12,37	,595	, 713	— ,07
3131	25 Monocer. 6	5	29 4,47	2,990	, 006	+,006	5	— 3 44 52,50	,600	, 410	+ ,10
3132	Navis 6.7	3	29 6,72	1,584	, 009	—	3	—50 13 39,43	,604	, 218	—
3133	181 Geminor. 6	4	29 13,32	3,637	, 014	+,001	4	+24 35 22,73	,612	, 494	+ ,02
3134	——— 7	7	29 20,32	3,855	, 017	—	8	+32 22 48,82	,623	, 524	—
3135	Navis 8	3	29 23,22	1,317	, 012	—	3	—54 48 31,51	,627	, 177	—
3136	Navis 7	8	29 37,85	2,179	, 003	—	8	—35 48 5,50	,646	, 298	—
3137	——— 7	3	29 41,36	1,880	, 005	—	3	—43 56 10,28	,650	, 256	—
3138	74 Geminor. f 6	5	29 56,56	3,474	, 012	+,005	6	+18 2 35,41	,671	, 476	— ,07
3139	Camelop. 8.9	4	30 8,26	5,786	, 072	—,018	1	+65 32 22,57	,687	, 772	+ ,18
3140	——— 9	4	30 8,66	5,786	, 072	—,013	7	+65 32 30,61	,688	, 772	+ ,06
3141	Navis 7	1	30 17,87	2,457	, 004	—	1	—26 26 53,27	,701	, 335	—
3142	10 Can. Min. α 1.2	105	30 39,72	3,193	, 006	—,039	168	+ 5 38 31,17	,729	, 438	—1,18
3143	Navis 7	3	30 40,27	1,031	, 014	—	3	—58 50 19,11	,729	, 140	—
3144	Camelop. S 6.7	2	30 49,42	5,820	, 074	—,015	2	+65 50 18,89	,742	, 773	,00
3145	Navis 7	4	31 7,99	1,855	, 005	—	4	—44 35 31,13	,766	, 252	—
3146	Navis f 6	3	31 15,71	2,221	, 003	+,001	4	—34 36 5,71	,778	, 304	+ ,02
3147	31 Can. Min. 7	6	31 21,03	3,192	, 006	+,007	3	+ 5 36 19,09	,786	, 437	— ,03
3148	Arg. in pup. m 6	6	31 26,07	2,497	, 004	+,016	4	—24 59 43,54	,793	, 340	— ,05
3149	Camelop. r 6.7	6	31 27,73	5,517	, 062	+,009	4	+63 13 5,42	,795	, 732	— ,03
3150	Navis 7	4	31 32,07	1,855	, 005	—	4	—44 37 17,61	,799	, 252	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3061	6 Can. Min. o 5.6	6	7 20 36,60	+3,345	—,00009	+,018	5	+12 20 27,76	6,910	—,00464	—0,10
3062	Navis 7	5	21 7,46	2,239	, 004	+,008	4	—33 33 32,49	,951	, 310	— ,01
3063	Lyncis 6.7	3	21 8,61	4,656	, 032	+,033	4	+51 39 26,94	,954	, 649	— ,10
3064	Navis 7	3	21 10,02	0,717	, 017	——	3	—61 57 2,73	,955	, 098	——
3065	Geminor. 8.9	4	21 10,70	3,737	, 014	+,008	5	+27 57 37,57	,957	, 517	— ,07
3066	Navis 8	3	21 14,51	1,420	, 010	——	3	—52 47 23,36	,961	, 194	——
3067	—— 7	3	21 18,68	1,051	, 013	——	3	—58 10 24,65	,968	, 144	——
3068	Monocer. 6.7	4	21 24,76	2,912	, 006	+,012	4	— 7 13 20,51	,976	, 407	+ ,12
3069	Navis 6	8	21 26,35	2,381	, 004	+,013	6	—28 49 28,78	,978	, 331	— ,06
3070	—— 8	7	21 36,79	0,854	, 014	——	7	—60 30 50,60	,991	, 117	——
3071	Navis 7	4	22 7,14	2,383	, 004	+,014	4	—28 47 0,00	7,033	, 331	— ,09
3072	—— 6.7	3	22 8,26	1,542	, 008	——	3	—50 41 17,95	,035	, 213	——
3073	—— 8.9	3	22 21,63	1,281	, 011	——	3	—55 1 57,71	,054	, 174	——
3074	145 —— 6.7	3	22 31,09	2,304	, 004	+,007	4	—31 30 46,79	,066	, 324	— ,07
3075	147 —— 6.7	4	22 43,00	2,316	, 004	+,003	4	—31 7 12,85	,082	, 322	— ,02
3076	Navis 7.8	3	23 11,46	1,291	, 010	——	3	—54 54 41,73	,121	, 175	——
3077	—— 7	4	23 19,93	1,524	, 009	——	4	—51 4 4,21	,134	, 210	——
3078	—— y^1 6	3	23 22,89	2,078	, 003	+,005	4	—38 28 29,79	,138	, 288	+ ,07
3079	7 Can. Min. δ^1 6	5	23 31,54	3,120	, 006	+,003	5	+ 2 15 32,13	,148	, 434	— ,02
3080	Navis σ 4	10	23 59,86	1,908	, 004	+,015	10	—42 58 16,18	,188	, 263	— ,05
3081	67 Geminor. 7	6	23 59,92	3,429	, 010		6	+15 59 10,88	,188	, 471	+ ,09
3082	—— a^1 4.5	3	24 3,53	3,859	, 016	,000	4	+32 14 30,93	,192	, 532	— ,16
3083	66 —— α 3	105	24 3,67	3,859	, 016	—,008	133	+32 14 32,62	,193	, 532	— ,11
3084	Navis 8	7	24 4,68	1,284	, 011	——	8	—55 4 33,32	,195	, 174	+2,8B
3085	68 Geminor. k 5	10	24 11,36	3,433	, 010	+,008	10	+16 10 29,67	,203	, 471	— ,10
3086	Navis k^3 5.6	4	24 17,78	2,333	, 004	—,010	4	—30 37 11,99	,213	, 322	— ,04
3087	—— 8	3	24 20,89	0,974	, 013	——	3	—59 14 37,47	,217	, 134	——
3088	8 Can. Min. δ^2 5.6	9	24 32,61	3,150	, 007	+,013	6	+ 3 38 9,08	,233	, 437	— ,01
3089	Geminor. 7	6	24 39,01	3,830	, 016	——	5	+31 18 40,96	,241	, 527	——
3090	Navis 8	3	24 57,84	2,210	, 004	——	3	—34 38 25,00	,267	, 304	——
3091	Geminor. 8	5	25 5,22	3,761	, 015	+,018	4	+28 58 48,16	,277	, 517	— ,07
3092	Navis 7	3	25 11,95	1,098	, 012	——	3	—57 44 1,56	,286	, 148	——
3093	9 Can. Min. δ^3 6	5	25 36,39	3,152	, 007	+,016	8	+ 3 43 25,33	,319	, 436	— ,03
3094	Navis 8	4	25 43,64	1,541	, 009	——	4	—50 51 42,79	,331	, 209	——
3095	154 Camelop. 7	3	25 44,42	5,221	, 049	+,004	4	+59 55 32,73	,331	, 723	+ ,02
3096	69 Geminor. υ 5	10	25 44,89	3,712	, 015	+,004	10	+27 15 20,37	,332	, 509	— ,15
3097	Navis 7.8	3	25 57,75	1,296	, 010	——	3	—54 57 43,13	,349	, 174	——
3098	—— 6.7	3	26 59,95	1,461	, 009	——	3	—52 18 33,47	,352	, 198	——
3099	—— 6.7	3	26 9,49	1,575	, 009	——	3	—50 15 50,90	,364	, 217	——
3100	—— —	3	26 11,15	1,600	, 008	——	2	—49 46 51,49	,367	, 214	——
3101	Can. Min. 6.7	3	26 13,75	3,151	, 007	+,011	12	+ 3 41 45,64	,371	, 436	— ,01
3102	Navis 6	3	26 15,94	2,508	, 004	——	3	—24 21 37,32	,373	, 345	——
3103	Can. Min. 8	4	26 16,98	3,194	, 007	+,011	3	+ 5 39 4,47	,376	, 441	— ,05
3104	—— 7.8	4	26 18,87	3,150	, 007	+,018	4	+ 3 37 45,56	,378	, 436	+ ,01
3105	Navis 7	3	26 36,28	1,546	, 009	——	3	—50 48 38,56	,400	, 212	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3106	Navis 6.7	3	7 26 47,94	+1,358	—,00011	——	3	—54 3 13,49	7,417	—,00184	——
3107	59 Lyncis 7	3	27 8,49	5,018	, 045	+,019	4	+57 26 58,46	,444	, 697	—0,03
3108	Navis 7	3	27 16,12	2,405	, 004	+,013	4	—28 12 53,31	,454	, 330	— ,03
3109	Arg. in pup. n^1 6	6	27 20,35	2,541	, 004	+,003	5	—23 7 12,31	,461	, 349	— ,16
3110	Arg. in pup. n^2 6	5	27 21,18	2,541	, 004	—,005	5	—23 7 10,74	,462	, 349	— ,01
3111	Geminor. 7	8	27 23,06	3,535	, 012	+,011	5	+20 31 18,36	,465	, 481	— ,16
3112	Navis 7	3	27 38,74	0,842	, 016	——	3	—60 54 0,10	,485	, 114	——
3113	—— g 6.7	3	27 41,10	2,472	, 004	+,004	4	—25 45 34,86	,488	, 339	— ,09
3114	Teles. Hers. o^1 6	4	27 42,73	3,953	, 019	+,024	4	+35 24 37,32	,490	, 543	+0,02
3115	Can. Min. 7	5	27 47,67	3,206	, 007	+,001	4	+ 6 13 16,86	,498	, 441	+ ,07
3116	Navis z 6	4	27 53,10	2,171	, 003	+,025	4	—35 59 0,99	,505	, 297	+ ,03
3117	174 Geminor. 6.7	4	27 53,66	3,505	, 012	+,005	4	+19 16 59,95	,506	, 478	— ,07
3118	Navis 6.7	3	27 55,89	1,925	, 004	——	3	—42 43 51,53	,509	, 264	——
3119	176 Geminor. 6.7	3	28 14,75	3,641	, 014	+,005	4	+24 43 24,47	,534	, 497	,00
3120	Navis 7	3	28 22,36	1,120	, 013	——	3	—57 35 23,82	,544	, 152	——
3121	Teles. Hers. o^2 6	4	28 23,04	3,937	, 019	+,008	4	+34 57 17,76	,546	, 539	— ,21
3122	Navis 6 7	3	28 32,90	1,926	, 004	——	3	—42 45 27,14	,558	, 264	——
3123	Can. Min. 7.8	4	28 34,34	3,196	, 006	+,013	4	+ 5 46 2,67	,559	, 440	+ ,01
3124	153 Camelop. 7	12	28 38,14	10,599	, 413	—,045	8	+80 39 35,37	,565	,01428	+ ,05
3125	Arg. in pup. p 5.6	5	28 45,49	2,412	, 004	—,002	6	—28 0 33,78	,575	,00330	— ,11
3126	Navis 7	3	28 53,82	1,416	, 011	——	3	—53 12 2,57	,587	, 191	——
3127	—— 8.9	3	28 55,05	2,541	, 004	+,003	2	—23 11 19,02	,588	, 347	— ,06
3128	—— 7	3	28 59,06	1,967	, 003	——	3	—41 42 55,70	,594	, 270	——
3129	58 Lyncis 6.7	3	28 59,48	4,470	, 031	—,006	4	+48 30 26,77	,594	, 613	— ,19
3130	—— h 7	3	29 0,43	5,138	, 050	+,008	4	+59 5 12,37	,595	, 713	— ,07
3131	25 Monocer. 6	5	29 4,47	2,990	, 006	+,006	5	— 3 44 52,50	,600	, 410	+ ,10
3132	Navis 6.7	3	29 6,72	1,584	, 009	——	3	—50 13 39,43	,604	, 218	——
3133	181 Geminor. 6	4	29 13,32	3,637	, 014	+,001	4	+24 35 22,73	,612	, 494	+ ,02
3134	—— 7	7	29 20,32	3,855	, 017	——	8	+32 22 48,82	,623	, 524	——
3135	Navis 8	3	29 23,22	1,317	, 012	——	3	—54 48 31,51	,627	, 177	——
3136	Navis 7	8	29 37,85	2,179	, 003	——	8	—35 48 5,50	,646	, 298	——
3137	—— 7	3	29 41,36	1,880	, 005	——	3	—43 56 10,28	,650	, 256	——
3138	74 Geminor. f 6	5	29 56,56	3,474	, 012	+,005	6	+18 2 35,41	,671	, 476	— ,07
3139	Camelop. 8.9	4	30 8,26	5,786	, 072	—,018	1	+65 32 22,57	,687	, 772	+ ,18
3140	—— 9	4	30 8,66	5,786	, 072	—,013	7	+65 32 30,61	,688	, 772	+ ,03
3141	Navis 7	1	30 17,87	2,457	, 004	——	1	—26 26 53,27	,701	, 335	——
3142	10 Can. Min. α 1.2	105	30 39,72	3,193	, 006	—,039	168	+ 5 38 31,17	,729	, 438	—1,18
3143	Navis 7	3	30 40,27	1,031	, 014	——	3	—58 50 19,11	,729	, 140	——
3144	Camelop. S 6.7	2	30 49,42	5,820	, 074	—,015	2	+65 50 18,89	,742	, 773	,00
3145	Navis 7	4	31 7,99	1,855	, 005	——	4	—44 35 31,13	,766	, 252	——
3146	Navis f 6	3	31 15,71	2,221	, 003	+,001	4	—34 36 5,71	,778	, 304	+ ,02
3147	31 Can. Min. 7	6	31 21,03	3,192	, 006	+,007	3	+ 5 36 19,09	,786	, 437	— ,03
3148	Arg. in pup. m 6	6	31 26,07	2,497	, 004	+,016	4	—24 59 43,54	,793	, 340	— ,05
3149	Camelop. r 6.7	6	31 27,73	5,517	, 062	+,009	4	+63 13 5,42	,795	, 732	— ,03
3150	Navis 7	4	31 32,07	1,855	, 005	——	4	—44 37 17,61	,799	, 252	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3151	159 Camelop. 6.7	3	7 31 32,92	+4,582	—,00035	+,010	4	+50 48 53,44	7,801	—,00627	—0,09
3152	Navis Q 5.6	3	31 35,11	1,485	, 010	——	3	—52 10 3,55	,804	, 200	——
3153	—— 8	3	31 35,21	1,679	, 008	——	3	—48 28 51,24	,804	, 229	——
3154	—— 8	3	31 49,68	1,854	, 005	——	3	—44 39 40,22	,824	, 252	——
3155	—— 7.8	3	31 56,96	2,185	, 003	——	3	—35 44 30,22	,833	, 298	——
3156	Navis k^1 6.7	8	32 3,95	2,460	, 004	,000	6	—26 25 50,15	,842	, 336	+ ,07
3157	—— k^2 —	4	32 4,99	2,459	, 004	—,012	3	—26 25 56,74	,844	, 336	+ ,12
3158	—— 6	3	32 7,16	1,681	, 008	——	3	—48 27 43,72	,846	, 229	——
3159	Can. Min. 8	5	32 7,52	3,167	, 006	+,007	2	+ 4 27 15,04	,846	, 433	+ ,16
3160	61 Lyncis 6.7	3	32 7,91	4,267	, 026	—,007	4	+44 10 32,93	,848	, 583	— ,17
3161	Navis Y^1 7.8	3	32 22,20	1,412	, 011	——	3	—53 27 12,63	,866	, 189	——
3162	Camelop. 7.8	8	32 23,43	10,246	, 398	—,047	7	+80 16 20,26	,868	,01363	+ ,02
3163	Navis 6.7	3	32 31,42	1,281	, 112	——	3	—55 31 14,19	,879	,00170	——
3164	188 Monocer 6	2	32 36,66	3,374	, 010	+,009	4	+13 51 34,56	,887	, 458	— ,07
3165	Navis 6.7	4	32 41,40	2,459	, 004	——	4	—26 29 19,10	,893	, 336	——
3166	Navis 7	3	32 41,96	2,460	, 004	——	4	—26 25 55,72	,894	, 336	——
3167	—— 8	4	32 44,71	2,457	, 004	——	4	—26 32 47,25	,898	, 336	——
3168	—— 7	3	32 45,36	2,064	, 002	——	3	—39 37 10,34	,898	, 281	——
3169	Navis e 6.7	2	32 45,39	2,174	, 003	+,018	4	—36 7 26,85	,898	, 297	+ ,03
3170	—— 7	2	32 46,26	2,097	, 002	——	2	—38 24 25,09	,899	, 286	——
3171	Navis 7	4	32 48,88	1,183	, 013	——	3	—56 55 51,05	,903	, 157	——
3172	75 Geminor. σ 6	5	32 59,41	3,760	, 015	+,011	5	+29 16 31,35	,917	, 509	— ,30
3173	26 Monocer. n 4.5	11	33 21,85	2,873	, 005	,000	4	— 9 10 16,23	,947	, 389	— ,02
3174	Geminor 7	6	33 32,10	3,586	, 013	+,009	5	+22 46 56,37	,961	, 485	+ ,05
3175	Navis Y^2 8	3	33 37,72	1,867	, 005	——	3	—44 27 18,66	,969	, 253	——
3176	Navis d^1 6	4	33 38,65	2,115	, 002	+,002	4	—37 55 59,48	,970	, 288	— ,08
3177	—— 6	3	33 38,83	1,697	, 008	——	3	—48 13 40,58	,970	, 231	——
3178	—— d^3 6	3	33 54,26	2,121	, 002	—,001	4	—37 45 47,72	,990	, 288	+ ,11
3179	—— 6	4	33 58,77	2,117	, 002	+,021	4	—37 53 3,38	,997	, 288	— ,09
3180	Geminor 9	3	34 0,42	3,633	, 014	+,001	4	+24 37 45,25	,998	, 491	— ,02
3181	76 Geminor. c 6	6	34 2,49	3,673	, 014	+,006	5	+26 10 10,07	8,001	, 496	— ,17
3182	Navis d^2 6	3	34 4,88	2,140	, 002	—,003	4	—37 12 5,98	,005	, 291	+ ,07
3183	—— 8.9	7	34 18,68	1,195	, 013	——	7	—56 50 36,83	,023	, 159	——
3184	—— 9	3	34 23,85	1,268	, 012	——	3	—55 48 19,06	,030	, 164	——
3185	77 Geminor κ 4	10	34 28,87	3,637	, 014	+,019	10	+24 47 13,76	,037	, 491	— ,02
3186	Monocer. 8	4	34 37,30	3,083	, 006	+,010	4	+ 0 34 26,25	,047	, 422	,00
3187	Navis 7	3	34 40,06	1,679	, 008	——	3	—48 40 26,79	,051	, 229	——
3188	—— 6	6	35 1,36	1,453	, 011	——	5	—52 53 46,11	,079	, 194	——
3189	—— 7.8	3	35 9,96	1,267	, 012	——	3	—55 51 10,72	,091	, 166	——
3190	78 Geminor. β 2	104	35 12,61	3,733	, 015	—,037	131	+28 25 4,04	,095	, 504	— ,07
3191	186 Navis 6.7	7	35 27,91	2,110	, 002	—,007	13	—38 9 6,91	,115	, 287	— ,02
3192	79 Geminor. 7	6	35 27,98	3,533	, 013	+,003	5	+20 42 18,44	,115	, 477	— ,13
3193	Navis —	—	35 ——	——	, 004	——	—	—24 59 ——	——	, 338	——
3194	1 —— 6	5	35 59,49	2,477	, 003	+,008	5	—25 57 51,05	,157	, 335	— ,12
3195	—— 7,8	3	36 6,00	0,934	, 015	——	3	—60 15 7,55	,166	, 128	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3196	Navis 7.8	6	7 36 9,86	+2,112	—,00002	+,014	4	—38 8 38,53	8,171	—,00287	—0,06
3197	—— 6.7	3	36 11,65	1,881	, 005	——	3	—44 14 53,80	,174	, 254	——
3198	—— 9	6	36 18,04	1,871	, 005	——	6	—44 29 53,87	,182	, 253	——
3199	81 Geminor *g* 5.6	6	36 33,90	3,489	, 012	+,003	5	+18 54 20,01	,203	, 469	— ,13
3200	—— *π* 6	4	36 51,15	3,888	, 019	+,014	4	+33 48 49,17	,226	, 524	,00
3201	Navis 5.6	6	36 52,80	2,422	, 004	+,012	5	—28 1 23,36	,229	, 327	,00
3202	—— 7	3	37 6,45	1,374	, 011	——	3	—54 19 24,02	,246	, 182	——
3203	191 —— 7	6	37 9,97	2,196	, 003	+,021	4	—35 39 42,23	,251	, 299	— ,02
3204	11 Can. Min. *π* 6	6	37 11,01	3,312	, 010	+,005	5	+11 9 49,54	,253	, 446	— ,14
3205	3 Navis 5	10	37 11,12	2,407	, 003	+,004	10	—28 33 52,23	,253	, 325	— ,01
3206	Navis 8	3	37 28,00	1,465	, 011	——	3	—52 48 30,61	,275	, 195	——
3207	Monocer. 8.9	4	37 35,29	2,958	, 007	+,011	4	— 5 17 3,74	,285	, 401	— ,05
3208	Navis 7.8	3	37 46,97	2,192	, 002	+,017	3	—35 49 37,42	,301	, 297	+ ,01
3209	—— T 5.6	8	37 51,01	1,864	, 005	+,008	10	—44 45 28,36	,306	, 251	— ,55
3210	195 —— 6.7	4	37 52,53	2,126	, 002	+,015	4	—37 48 41,77	,307	, 287	— ,02
3211	2¹ Navis 8.9	4	37 53,54	2,761	, 004	+,019	4	—14 17 25,02	,309	, 373	— ,10
3212	2² —— 7.8	4	37 53,81	2,761	, 004	+,007	4	—14 17 41,29	,310	, 373	— ,13
3213	62 Lyncis 6.7	4	38 3,69	4,779	, 044	,000	4	+54 31 53,17	,323	, 650	,00
3214	Navis W 6.7	3	38 4,88	2,031	, 002	+,010	4	—40 32 3,08	,325	, 274	— ,29
3215	198 —— 6.7	5	38 8,09	2,198	, 002	+,007	3	—35 40 24,85	,329	, 299	+ ,10
3216	Navis 7.8	4	38 19,45	1,273	, 013	——	4	—55 55 37,81	,343	, 168	——
3217	4 —— 5.6	4	38 21,00	2,764	, 004	+,008	5	—14 10 5,67	,346	, 373	+ ,12
3218	Camelop. V 6	7	38 28,90	9,907	, 365	—,015	8	+79 54 44,85	,357	,01307	— ,01
3219	Navis 7.8	4	38 30,47	1,349	, 012	——	4	—54 47 20,41	,358	,00179	——
3220	—— 7	4	38 34,33	0,998	, 014	——	4	—59 36 50,41	,363	, 136	——
3221	Navis 8.9	4	38 36,48	2,144	, 002	?	4	—37 19 43,08	,366	, 289	+ ,09
3222	82 Geminor. B 7	8	38 41,28	3,601	, 014	+,013	6	+23 32 35,29	,373	, 484	+ ,08
3223	Navis 6.7	4	38 42,24	2,137	, 002	——	4	—37 32 50,03	,374	, 288	——
3224	—— 7.8	3	38 53,28	1,287	, 013	——	3	—55 45 18,67	,389	, 171	——
3225	—— 6.7	3	39 8,57	1,110	, 014	——	3	—58 14 24,03	,409	, 149	——
3226	Navis 8	4	39 9,92	1,342	, 012	——	4	—54 55 8,36	,411	, 178	——
3227	—— 7	3	39 12,33	2,140	, 002	——	3	—37 29 31,57	,414	, 288	——
3228	—— 7	3	39 19,50	1,108	, 014	——	3	—58 16 42,27	,423	, 149	——
3229	Arg. in pup. *c* 4	10	39 22,69	2,138	, 002	—,005	10	—37 34 17,42	,431	, 288	+ ,08
3230	Navis 6	3	39 26,02	2,257	, 003	——	3	—33 51 2,18	,433	, 304	——
3231	Navis 7	6	39 34,54	1,493	, 010	——	6	—52 26 43,34	,442	, 199	——
3232	—— 6	3	39 45,40	1,788	, 006	——	3	—46 36 45,53	,444	, 240	——
3233	—— 6	3	39 46,81	1,143	, 013	——	3	—57 50 18,14	,446	, 153	——
3234	—— 6.7	6	39 47,37	1,623	, 009	——	3	—50 4 0,99	,446	, 220	——
3235	—— 7.8	6	39 51,32	1,622	, 009	——	6	—50 4 37,49	,465	, 220	——
3236	55 Off. Typ. 6	11	40 13,22	2,818	, 005	+,004	7	—11 47 33,87	,494	, 378	— ,01
3237	Navis 7	3	40 15,15	1,881	, 005	——	3	—44 29 1,68	,497	, 252	——
3238	—— 8	7	40 17,84	2,141	, 002	+,011	3	—37 32 0,29	,501	, 288	+ ,08
3239	Lyncis 7.8	4	40 25,39	3,877	, 019	+,008	4	+33 38 32,57	,510	, 520	— ,01
3240	Navis 7	3	40 40,18	2,147	, 002	——	3	—37 22 10,87	,529	, 289	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3241	Navis 7	3	7 40 43,09	+1,887	—,00005	——	3	—44 21 32,67	8,533	—,00253	——
3242	Off. Typ. 8,9	5	40 45,73	2,818	, 005	+,011	—	—11 48 ——	,537	, 379	——
3243	Navis 7,8	4	40 48,42	1,491	, 010	——	4	—52 33 26,87	,540	, 198	——
3244	—— 6,7	3	40 52,56	2,068	, 002	——	3	—39 39 28,18	,545	, 278	——
3245	63 Lyncis 7	4	41 6,15	4,806	, 045	+,009	4	+55 8 5,14	,564	, 648	— ,15
3246	Navis 8	4	41 12,37	1,257	, 013	——	4	—56 18 35,10	,572	, 166	——
3247	—— 7.8	9	41 13,08	1,875	, 005	——	4	—44 41 7,67	,573	, 251	——
3248	Arg. in pup. o 5.6	6	41 13,73	2,494	, 003	+,009	9	—25 31 55,72	,575	, 335	— ,02
3249	216 Navis 6.7	4	41 34,65	2,124	, 002	+,011	4	—38 6 24,28	,602	, 286	— ,08
3250	—— 7	3	41 34,83	2,017	, 003	——	3	—41 6 0,51	,602	, 271	——
3251	Navis 7.8	3	41 35,24	2,017	, 003	——	3	—41 6 49,43	,602	, 271	——
3252	—— 7	7	41 50,30	1,572	, 010	——	7	—51 8 54,33	,608	, 210	——
3253	—— S 7	3	41 56,60	1,744	, 008	——	3	—47 42 31,33	,631	, 234	——
3254	—— 6.7	4	42 6,17	2,521	, 004	——	4	—24 30 14,09	,643	, 337	——
3255	—— 6	3	42 7,87	1,261	, 013	——	3	—56 19 13,78	,646	, 166	——
3256	217 Navis 6.7	3	42 8,17	2,520	, 004	?	5	—24 33 19,97	,646	, 337	— ,42
3257	6 —— 5.6	6	42 14,05	2,706	, 004	—,007	5	—16 48 46,86	,654	, 362	— ,01
3258	Monocer. 8	2	42 15,06	2,885	, 005	+,018	2	— 8 46 22,80	,655	, 386	— ,07
3259	Navis 7.8	2	42 15,81	3,004	, 007	+,009	4	— 3 11 9,06	,656	, 404	— ,03
3260	222 —— 6.7	4	42 15,92	2,340	, 003	+,008	4	—31 12 31,90	,656	, 313	+ ,14
3261	Geminor. 7	6	42 20,55	3,504	, 013	+,002	5	+19 44 28,02	,662	, 466	— ,06
3262	7 Navis ξ 4	13	42 21,51	2,523	, 004	+,007	10	—24 27 0,74	,663	, 337	+ ,01
3263	64 Lyncis 6.7	3	42 27,69	4,401	, 033	+,001	4	+47 48 16,50	,672	, 590	— ,06
3264	Navis 7	4	42 30,04	2,051	, 002	——	4	—40 14 35,79	,675	, 275	——
3265	223 —— 6.7	4	42 32,50	1,814	, 006	+,004	4	—46 12 7,63	,677	, 242	— ,10
3266	Navis 7.8	3	42 38,97	1,796	, 006	——	3	—46 36 22,13	,686	, 240	——
3267	Lyncis i 6	5	42 40,07	4,409	, 033	,000	4	+47 59 1,52	,687	, 591	— ,09
3268	Navis 7.8	3	42 41,40	1,793	, 006	——	3	—46 39 52,11	,689	, 239	——
3269	Lyncis z 7	3	43 2,00	4,921	, 050	—,025	4	+26 55 44,20	,717	, 661	— ,01
3270	226 Navis 6.7	3	43 6,22	2,233	, 003	+,005	3	—34 49 59,99	,722	, 299	— ,06
3271	13 Can. Min. ζ 5.6	6	43 8,47	3,117	, 007	+,006	5	+ 2 10 55,80	,725	, 418	— ,01
3272	210 Geminor. 6.7	3	43 12,73	3,576	, 014	+,006	4	+22 45 12,98	,731	, 476	— ,06
3273	Navis Q 7	3	43 20,41	1,479	, 011	——	3	—52 55 29,96	,741	, 195	——
3274	83 Geminor. φ 5	13	43 23,40	3,689	, 016	+,011	26	+27 11 9,17	,745	, 490	— ,03
3275	Navis 5	3	43 25,41	1,795	, 006	——	3	—46 39 53,06	,747	, 239	——
3276	Navis 6.7	3	43 35,87	2,051	, 002	——	3	—40 17 23,33	,761	, 274	——
3277	Off. Typ. E 6.7	4	43 57,80	2,807	, 005	+,006	4	—12 24 8,50	,790	, 374	— ,01
3278	9 Navis 5	11	44 7,98	2,783	, 005	+,004	10	—13 27 53,44	,804	, 371	— ,28
3279	Arg. in pup. p 4.5	9	44 12,72	1,828	, 006	—,002	13	—45 57 39,01	,810	, 243	,00
3280	Navis 6	2	44 14,37	1,807	, 006	——	2	—46 26 44,15	,812	, 240	——
3281	Navis 8	2	44 23,33	2,682	, 004	+,017	4	—17 56 24,84	,824	, 357	+ ,06
3282	Geminor. 8.9	4	44 23,40	3,842	, 020	—,013	4	+32 42 33,92	,824	, 516	— ,12
3283	Monocer. 7.8	3	44 39,05	2,966	, 007	+,005	4	— 5 0 25,91	,844	, 396	— ,06
3284	10 Navis 6	7	44 43,32	2,762	, 003	+,007	5	—14 25 39,32	,849	, 368	— ,14
3285	—— 7	12	44 48,49	1,288	, 013	——	12	—56 3 32,69	,856	, 169	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P.M.
				h. m. s.	s	s	s		° ′ ″	″ —	″	″
3286	Off. Typ.	6	4	7 44 48,75	+2,784	—,00004	+,011	4	—13 26 13,92	8,861	—,00371	+0,18
3287	Camelop.	8.9	4	45 2,01	5,665	, 080	+,022	3	+65 10 53,05	,875	, 743	— ,07
3288	Navis	7	3	45 28,51	1,907	, 005	——	3	—44 9 52,19	,909	, 252	——
3289	——	7	4	45 34,29	1,295	, 013	——	4	—55 59 44,40	,915	, 169	——
3290	——	7.8	7	45 37,67	1,398	, 011	——	5	—54 23 34,99	,921	, 183	——
3291	Navis	8	8	45 41,16	1,393	, 011	——	7	—54 29 17,14	,925	, 182	——
3292	——	7	3	45 49,53	1,403	, 011	——	4	—54 20 18,16	,935	, 183	——
3293	——	8	3	45 52,00	1,382	, 011	——	4	—54 39 48,05	,939	, 180	——
3294	——	7.8	3	45 52,62	1,812	, 006	——	3	—46 27 7,47	,941	, 239	——
3295	——	6.7	3	45 54,67	1,640	, 009	——	3	—50 5 23,10	,943	, 218	——
3296	85 Geminor.	*l* 6.7	9	46 1,69	3,514	, 014	+,003	5	+20 18 48,53	,953	, 465	— ,04
3297	242 Navis	6	4	46 6,75	2,255	, 003	+,009	4	—34 17 42,85	,959	, 300	+ ,16
3298	Monocer.	8.9	4	46 15,43	3,022	, 007	+,005	5	— 2 22 11,66	,970	, 403	— ,01
3299	Navis	6.7	3	46 17,83	1,797	, 006	——	3	—46 47 47,51	,973	, 237	——
3300	——	6.7	3	46 28,93	1,011	, 015	——	3	—59 52 23,69	,988	, 136	——
3301	Navis	*a* 5.6	4	46 32,65	2,063	, 002	—,002	4	—40 9 14,53	,993	, 274	— ,04
3302	Can. Min.	6	6	46 33,33	3,267	, 010	—,001	6	+ 9 17 41,75	,993	, 433	— ,08
3303	Arg. in pup.	*b* 5	9	46 48,40	2,123	, 002	+,005	5	—38 26 20,04	9,012	, 282	— ,01
3304	246 Navis	6	3	46 59,82	2,206	, 002	+,003	4	—35 56 21,75	,028	, 292	— ,09
3305	169 Camelop.	6	8	47 33,65	5,202	, 061	+,024	8	+60 45 55,63	,071	, 679	— ,16
3306	1 Cancri	6	5	47 37,08	3,418	, 012	+,012	7	+16 13 28,45	,076	, 451	— ,13
3307	50 Can. Min.	6.7	4	47 41,04	3,174	, 008	+,006	4	+ 4 55 2,30	,082	, 421	— ,04
3308	Navis	7.8	7	47 49,19	2,543	, 003	——	4	—23 52 34,14	,091	, 338	——
3309	Urs. Maj.	*q* 7	4	47 57,76	5,260	, 066	+,001	4	+61 26 3,21	,003	, 686	— ,04
3310	Navis	7.8	3	48 1,74	1,071	, 016	——	3	—59 13 21,76	,009	, 142	——
3311	249 Navis	6	3	48 4,17	2,223	, 002	+,005	4	—35 26 55,07	,111	, 294	— ,01
3312	——	8	3	48 6,42	1,352	, 012	——	3	—55 16 43,32	,114	, 176	——
3313	Can. Min.	7.8	2	48 18,62	3,261	, 010	+,006	4	+ 9 4 35,01	,130	, 430	— ,04
3314	Navis	6.7	7	48 18,93	1,647	, 009	——	7	—50 5 43,14	,130	, 218	——
3315	Camelop.	7.8	3	48 19,58	5,207	, 063	+,015	3	+60 51 38,64	,130	, 678	— ,07
3316	Navis	7	3	48 22,87	2,353	, 003	——	3	—31 6 16,30	,136	, 312	——
3317	——	6	3	48 24,61	1,693	, 008	——	3	—49 11 10,86	,138	, 224	——
3318	Arg. in pup.	R 5	15	48 27,22	1,764	, 007	——	13	—47 40 31,38	,141	, 232	——
3319	251 Navis	6.7	5	48 27,99	2,256	, 003	+,011	4	—34 24 54,91	,142	, 298	+ ,06
3320	——	6.7	7	48 33,50	1,437	, 011	——	7	—53 56 27,40	,149	, 187	——
3321	Cancri	7	6	49 6,31	3,433	, 014	+,009	7	+16 57 25,47	,192	, 452	+ ,01
3322	52 Can. Min.	6.7	3	49 13,86	3,231	, 009	+,009	4	+ 7 39 15,40	,203	, 426	+ ,23
3323	Navis	7.8	5	49 16,82	1,079	, 015	——	8	—59 11 12,29	,206	, 145	——
3324	——	9	3	49 23,63	1,089	, 015	——	3	—59 3 59,03	,215	, 145	——
3325	——	9	2	49 25,63	2,577	, 003	+,029	3	—22 34 9,42	,218	, 340	— ,02
3326	Navis	7	3	49 27,26	1,928	, 004	——	3	—43 55 27,28	,219	, 252	——
3327	11 ——	5.6	9	49 46,15	2,581	, 003	+,001	5	—22 26 40,89	,243	, 340	— ,07
3328	14 Can. Min.	6	6	49 47,26	3,126	, 008	—,002	4	+ 2 39 33,87	,245	, 413	+ ,08
3329	Navis	7	3	49 48,67	2,390	, 003	——	3	—29 50 54,24	,247	, 316	——
3330	Lyncis	8	4	49 51,18	4,739	, 048	+,007	4	+54 34 38,54	,250	, 627	— ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3331	Monocer. 8.9	2	7 50 15,40	+3,005	—,00007	+,014	4	— 3 11 52,10	9,282	—,00396	+0,02
3332	Navis 7	3	50 17,68	1,652	, 009	——	3	—50 7 55,04	,285	, 218	——
3333	1 Cancri 7	6	50 22,05	3,359	, 012	+,008	5	+13 41 4,88	,290	, 441	— ,06
3334	Navis 6.7	3	50 25,14	1,950	, 004	+,002	4	—43 24 34,80	,294	, 255	— ,15
3335	—— 7	7	50 26,44	1,806	, 007	——	7	—46 52 41,34	,296	, 236	——
3336	2 Cancri ω¹ 6	5	50 56,14	3,644	, 017	+,007	4	+25 50 14,59	,335	, 477	— ,06
3337	Navis 8	3	51 4,27	1,531	, 010	——	3	—52 28 8,94	,345	, 199	——
3338	—— 6	6	51 5,66	2,391	, 003	+,023	5	—29 53 43,42	,348	, 314	+ ,03
3339	—— 8.9	3	51 9,65	1,431	, 012	——	3	—54 12 23,17	,353	, 185	——
3340	Cancri 7	4	51 10,19	3,471	, 013	+,015	4	+18 41 28,46	,353	, 455	+ ,01
3341	Cancri 7.8	4	51 10,76	3,508	, 014	+,003	4	+20 15 43,42	,355	, 460	— ,03
3342	Navis 8	3	51 11,95	1,808	, 007	——	3	—46 52 42,80	,356	, 236	——
3343	3 Cancri 6	7	51 19,67	3,449	, 013	+,007	7	+17 45 17,18	,366	, 452	— ,04
3344	Monocer. o 6.7	4	51 29,31	3,004	, 007	,000	4	— 3 14 7,09	,378	, 396	— ,02
3345	Camelop. 7	8	51 38,25	4,979	, 056	—,002	6	+58 13 52,30	,389	, 656	— ,10
3346	74 Lyncis 7.8	3	51 39,63	4,819	, 052	+,003	4	+55 56 16,11	,391	, 637	— ,13
3347	4 Cancri ω² 6.7	6	51 46,13	3,635	, 017	+,003	5	+25 32 11,63	,398	, 474	— ,06
3348	Navis 7	7	51 50,62	1,803	, 007	——	5	—47 1 44,45	,404	, 236	——
3349	—— N 6	4	51 57,87	1,944	, 005	—,002	4	—43 40 9,27	,414	, 253	— ,08
3350	12 —— 6	6	52 1,30	2,572	, 003	+,018	5	—22 52 0,42	,418	, 338	— ,13
3351	5 Cancri r 6	6	52 5,65	3,430	, 013	+,013	2	+16 54 14,47	,425	, 449	— ,06
3352	Navis 7	4	52 15,82	1,722	, 008	——	4	—48 49 26,71	,438	, 225	——
3353	—— 8	3	52 16,34	1,452	, 012	——	3	—53 55 29,51	,438	, 187	——
3354	Cancri 8	3	52 28,31	3,505	, 014	+,013	4	+20 11 16,27	,453	, 458	— ,09
3355	Navis χ 3	10	52 34,73	1,533	, 010	——	15	—52 32 33,99	,462	, 199	——
3356	Navis O 6	3	52 41,80	1,887	, 006	+,036	4	—45 8 10,32	,471	, 246	— ,05
3357	28 Monocer. p 5.6	5	52 49,69	3,052	, 007	+,022	5	— 0 56 22,27	,481	, 401	— ,06
3358	Navis 8	4	52 58,96	2,572	, 003	+,025	4	—22 54 15,95	,493	, 337	— ,05
3359	6 Cancri 5.6	6	53 22,46	3,703	, 018	+,010	8	+28 15 0,06	,522	, 482	— ,23
3360	—— 7.8	3	53 23,71	3,395	, 012	+,009	4	+15 24 7,52	,525	, 443	+ ,01
3361	Navis 7.8	3	53 29,65	1,260	, 014	——	3	—56 59 17,07	,533	, 161	——
3362	—— 5.6	4	53 30,40	1,727	, 008	——	4	—48 47 58,19	,533	, 225	——
3363	—— 6	3	53 30,86	1,027	, 016	——	3	—60 5 5,70	,534	, 137	——
3364	267 —— 6	4	53 39,12	2,124	, 002	+,024	4	—38 50 52,69	,544	, 278	— ,07
3365	13 —— 5	13	53 40,82	3,128	, 008	+,005	10	+ 2 46 57,18	,547	, 409	— ,09
3366	Navis 7	3	54 1,65	1,824	, 006	——	3	—46 41 37,01	,574	, 237	——
3367	Urs. Maj. 7.8	3	54 2,12	5,727	, 090	+,018	4	+66 7 43,04	,574	, 739	— ,14
3368	15 Cancri 6.7	4	54 5,53	3,558	, 015	+,006	4	+22 31 37,01	,578	, 463	— ,03
3369	—— 6.7	3	54 13,24	3,287	, 011	+,006	4	+10 23 53,41	,588	, 428	— ,10
3370	Navis 7	3	54 15,45	1,260	, 014	——	3	—57 2 1,57	,591	, 163	——
3371	Navis 7	3	54 18,18	2,524	, 003	——	3	—24 57 43,18	,594	, 330	——
3372	Can. Maj. 7	1	54 28,44	1,752	, 008	——	1	—48 18 48,35	,607	, 228	——
3373	Navis 7.8	9	54 32,49	1,449	, 012	——	9	—54 7 10,43	,612	, 186	——
3374	—— 6.7	8	54 32,99	1,695	, 008	——	7	—49 31 41,82	,613	, 221	——
3375	—— 8	7	54 33,96	1,696	, 008	——	5	—49 31 28,94	,614	, 221	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
3376	Navis	6.7	3	7 54 36,31	+1,819	—,00007	——	3	—46 51 13,67	9,618	—,00223	——
3377	——	7.8	2	54 38,87	1,745	, 008	——	2	—48 30 10,87	,621	, 214	——
3378	——	6	3	54 43,79	1,050	, 016	——	3	—59 51 42,37	,628	, 136	——
3379	——	7.8	3	55 4,56	1,566	, 010	——	3	—52 5 37,83	,653	, 191	——
3380	——	8	8	55 6,33	1,452	, 012	——	8	—54 5 51,49	,656	, 174	——
3381	Navis	7.8	3	55 17,85	1,749	, 008	——	3	—48 27 14,81	,671	, 214	——
3382	——	7	3	55 27,50	1,746	, 008	——	3	—48 31 53,05	,682	, 214	——
3383	——	7	3	55 35,86	2,194	, 002	——	3	—36 49 44,91	,694	, 272	——
3384	——	6.7	2	55 40,48	1,752	, 008	——	2	—48 25 9,67	,698	, 214	——
3385	84 Lyncis	6.7	3	55 42,64	4,190	, 031	+,002	4	+43 43 34,62	,702	, 531	—0,03
3386	8 Cancri	6	6	55 52,72	3,354	, 012	+,005	5	+13 34 56,04	,715	, 420	— ,17
3387	——	7.8	4	55 53,64	3,453	, 013	+,012	4	+18 4 59,39	,716	, 433	— ,05
3388	27 Lyncis *k*	5	10	56 0,87	4,567	, 044	+,008	10	+51 58 26,09	,725	, 679	+ ,06
3389	Navis	7.8	3	56 3,03	2,203	, 002	——	3	—36 35 39,18	,728	, 273	——
3390	——	8	1	56 5,41	1,015	, 016	——	1	—60 22 28,75	,731	, 127	——
3391	55 Camelop.	5	9	56 17,56	6,108	, 116	——	10	+68 56 55,94	,746	, 773	——
3392	19 Cancri	6.7	4	56 19,96	3,362	, 012	—,012	4	+13 58 2,54	,750	, 421	— ,05
3393	9 —— μ^1	6	6	56 31,28	3,569	, 016	+,004	8	+23 5 59,83	,764	, 447	— ,11
3394	Navis	7	7	56 31,97	1,938	, 005	——	7	—44 8 34,68	,766	, 238	——
3395	——	7	3	56 36,77	1,720	, 008	——	3	—49 9 53,60	,772	, 210	——
3396	274 Navis	6.7	3	56 38,06	2,341	, 003	+,015	4	—32 0 17,95	,773	, 290	— ,34
3397	Monocer.	8	2	56 42,97	3,009	, 006	+,014	4	— 3 2 1,05	,779	, 377	+ ,03
3398	Navis	6.7	3	56 44,95	1,069	, 016	——	3	—59 45 15,21	,782	, 128	——
3399	——	6.7	7	56 46,43	1,482	, 012	——	7	—53 41 45,71	,783	, 178	——
3400	——	1.0	2	56 47,84	1,045	, 009	——	2	—60 3 9,34	,786	, 131	——
3401	Navis	6	3	56 47,92	1,038	, 016	——	3	—60 8 4,34	,786	, 131	——
3402	Cancri	7	4	56 48,99	3,565	, 016	—,022	4	+22 55 27,03	,787	, 447	— 0,9
3403	Navis	6.7	3	57 4,63	2,062	, 003	——	3	—40 51 5,11	,808	, 254	——
3404	——	6.7	3	57 8,00	1,936	, 004	——	3	—44 12 30,80	,811	, 237	——
3405	——	8.9	3	57 8,75	2,662	, 003	+,015	7	—19 18 50,34	,812	, 332	— 0,3
3406	81 Off. Typ.	7	9	57 22,25	2,664	, 003	+,021	11	—19 15 54,64	,829	, 332	— 0,6
3407	Navis	6	8	57 22,61	1,463	, 012	——	7	—54 3 29,25	,830	, 175	——
3408	——	8	6	57 24,31	1,462	, 012	——	4	—54 4 18,87	,831	, 175	——
3409	——	6	5	57 40,42	1,408	, 012	——	5	—54 59 46,26	,851	, 167	——
3410	—— ζ	3	19	57 47,25	2,110	, 002	+,003	41	—39 32 32,00	,861	, 260	— 0,5
3411	280 Navis	6	4	57 50,45	2,338	, 003	+,016	4	—32 12 43,12	,865	, 289	— 0,2
3412	——	7	4	57 59,11	2,005	, 003	——	6	—42 29 7,04	,876	, 245	——
3413	——	7	3	57 59,70	1,709	, 009	——	3	—49 29 28,95	,877	, 209	——
3414	——	6.7	9	58 0,82	1,457	, 012	——	9	—54 12 19,06	,878	, 173	——
3415	10 Cancri μ^2	6.7	8	58 2,85	3,542	, 016	+,014	4	+22 3 16,91	,881	, 442	— 0,1
3416	Navis	6.7	3	58 42,32	2,313	, 003	——	3	—33 7 33,55	,930	, 286	——
3417	11 Cancri	7	5	58 43,41	3,688	, 019	—,001	6	+27 57 13,74	,931	, 460	— 0,8
3418	——	6.7	3	58 44,79	1,733	, 009	——	3	—49 2 10,95	,934	, 213	——
3419	Navis	6.7	4	59 23,12	2,315	, 003	——	5	—33 6 1,22	,982	, 286	——
3420	Lyncis	8	6	59 26,26	3,912	, 024	+,027	6	+35 56 29,77	,986	, 486	— ,31

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3421	12 Cancri ε 6	3	7 59 28,76	+3,363	—,00013	+,004	2	+14 6 53,75	9,990	—,00417	—0,11
3422	——— 9	4	8 0 2,43	3,296	, 011	+,019	4	+10 59 6,43	10,032	, 409	— ,06
3423	Navis 6.7	6	0 4,86	1,685	, 009	——	5	—50 7 20,62	,036	, 206	——
3424	Lyncis 6.7	4	0 8,25	4,855	, 057	,000	4	+57 0 46,55	,039	, 610	— ,12
3425	Navis 6.7	3	0 11,69	1,477	, 012	——	3	—54 0 30,78	,044	, 175	——
3426	Cancri ψ¹ 6.7	3	0 14,14	3,643	, 018	+,018	4	+26 19 23,13	,047	, 452	— ,12
3427	Navis 6.7	3	0 15,38	1,851	, 006	——	3	—46 30 36,18	,048	, 225	——
3428	29 Monocer. 5.6	5	0 17,96	3,021	, 007	+,004	8	— 2 30 30,30	,052	, 376	+ ,01
3429	——— 8.9	4	0 19,68	3,090	, 007	+,004	1	+ 0 56 6,64	,055	, 382	,00
3430	86 Off. Typ. 6.7	4	0 19,90	2,803	, 004	+,008	4	—13 2 0,22	,055	, 359	— ,15
3431	Navis 7.8	10	0 25,83	1,447	, 012	——	7	—54 31 39,68	,062	, 171	——
3432	Cancri ψ² 7	3	0 30,13	3,636	, 018	—,003	1	+26 0 4,24	,067	, 450	— ,39
3433	Navis 6.7	4	0 30,25	1,771	, 008	——	4	—48 20 13,13	,067	, 215	——
3434	15 ——— 3.4	11	0 31,05	2,560	, 003	+,004	10	—23 49 58,27	,068	, 316	+ ,02
3435	28 Cancri 6.7	4	0 35,51	3,435	, 004	+,008	4	+17 29 40,50	,074	, 425	— ,03
3436	Lyncis ν 6.7	4	0 38,42	4,847	, 057	—,029	4	+56 56 17,19	,077	, 609	— ,02
3437	Navis 6	3	0 46,94	1,558	, 011	——	3	—52 38 16,80	,089	, 186	——
3438	——— 7.8	10	0 53,53	1,450	, 012	——	8	—54 31 19,12	,096	, 171	——
3439	91 Lyncis 6.7	6	1 17,12	3,820	, 022	—,022	7	+32 58 6,55	,127	, 474	— ,68
3440	Cancri 8	4	1 19,67	3,267	, 011	+,004	4	+ 9 38 53,51	,131	, 405	+ ,04
3441	Navis 6	3	1 23,22	1,925	, 005	——	3	—44 47 34,30	,134	, 234	——
3442	16 ——— 5.6	6	1 39,79	2,679	, 003	+,029	8	—18 45 59,95	,155	, 331	+ ,04
3443	——— 7.8	3	1 45,73	1,272	, 003	——	3	—34 44 3,45	,163	, 277	——
3444	177 Camelop. 6.7	4	1 52,28	5,139	, 070	—,010	4	+60 52 12,44	,171	, 638	+ ,06
3445	Monocer. 8	4	2 1,44	2,944	, 006	+,026	1	— 6 15 48,07	,182	, 365	— ,06
3446	Cancri 7	14	2 16,41	3,280	, 011	+,006	10	+10 18 17,15	,201	, 406	— ,07
3447	Navis 7	3	2 32,51	1,626	, 010	——	3	—51 27 52,32	,221	, 195	——
3448	16 Cancri ζ 6	2	2 44,59	3,448	, 003	+,015	4	+18 8 20,72	,236	, 425	— ,13
3449	——— 8	4	2 45,15	3,448	, 003	+,028	1	+18 8 5,84	,237	, 425	— ,43
3450	Navis 6.7	3	2 49,97	1,770	, 008	——	3	—48 31 58,87	,244	, 215	——
3451	15 Cancri ψ³ 6	6	2 54,55	3,739	, 020	—,057	7	+30 8 40,06	,248	, 459	— ,04
3452	Navis 7.8	3	2 56,44	2,267	, 003	——	3	—34 58 30,62	,251	, 276	——
3453	18 ——— 6	2	3 0,99	2,799	, 004	—,014	1	—13 19 7,89	,257	, 344	— ,02
3454	19 ——— 6	6	3 31,79	2,818	, 005	+,010	5	—12 26 32,88	,295	, 346	— ,02
3455	——— 9	4	3 40,39	2,687	, 003	+,019	4	—18 29 21,46	,305	, 329	— ,04
3456	Navis 8	3	3 40,54	1,472	, 012	——	3	—54 20 50,85	,305	, 173	——
3457	Lyncis l 6.7	3	4 4,60	5,061	, 066	+,011	4	+60 4 4,01	,338	, 624	,00
3458	Navis 7	7	4 6,32	1,597	, 010	——	7	—52 8 14,52	,339	, 190	——
3459	——— K¹ 7	4	4 12,35	2,034	, 003	+,011	4	—42 9 26,52	,346	, 246	— ,02
3460	——— 5.6	7	4 14,40	1,790	, 008	——	7	—48 12 5,41	,349	, 215	——
3461	Navis 6.7	3	4 22,70	2,358	, 003	——	3	—31 53 45,12	,360	, 287	——
3462	——— γ¹ 5	21	4 24,62	1,849	, 007	——	8	—46 51 42,96	,361	, 222	——
3463	——— γ² 3	29	4 27,05	1,850	, 007	——	8	—46 51 12,38	,365	, 222	——
3464	——— γ³ 7.8	3	4 30,41	1,849	, 007	——	3	—46 52 9,21	,369	, 222	——
3465	Cancri 8	3	4 30,90	3,300	, 012	+,010	4	+11 20 26,94	,370	, 405	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3466	Navis 7.8	3	8 4 42,21	+1,682	—,00009	—	3	—50 31 47,03	10,383	—,00203	—
3467	— 6	4	4 42,42	1,825	, 008	—	4	—47 27 11,98	,383	, 220	—
3468	Cancri 7	4	4 44,05	3,446	, 003	+,007	5	+18 10 0,73	,386	, 423	—0,06
3469	9 Urs. Maj. 7	3	4 49,38	5,906	, 116	—,012	4	+68 1 49,66	,392	, 731	— ,07
3470	178 Camelop. 6.7	3	4 51,67	5,316	, 081	+,026	4	+63 0 27,39	,396	, 659	+ ,02
3471	Navis *i* 6.7	4	4 56,09	2,216	, 002	+,010	3	—36 48 20,38	,401	, 269	— ,08
3472	— 7	4	5 7,74	1,604	, 010	—	4	—52 5 21,20	,416	, 190	—
3473	— 7.8	3	5 13,92	2,231	, 002	—	3	—36 18 44,31	,424	, 270	—
3474	— h^1 6	3	5 28,22	2,142	, 002	+,017	4	—39 7 50,20	,441	, 258	— ,08
3475	— 6.7	4	5 28,92	1,769	, 008	—	5	—48 45 1,13	,443	, 213	—
3476	Lyncis 7	4	5 31,29	4,680	, 052	+,014	4	+54 38 40,94	,444	, 580	— ,06
3477	Navis 7	8	5 35,15	1,773	, 008	—	7	—48 40 36,07	,450	, 213	—
3478	— 6.7	3	5 42,65	1,405	, 013	—	3	—55 36 3,56	,459	, 166	—
3479	20 — 5	11	5 45,11	2,759	, 004	+,012	10	—15 17 45,78	,462	, 337	— ,10
3480	— 5	11	5 51,86	2,026	, 003	+,022	10	—42 29 54,89	,471	, 244	— ,05
3481	Navis 6.7	3	6 5,64	2,428	, 003	—	3	—29 25 11,49	,489	, 294	—
3482	— 5.6	3	6 12,82	1,807	, 008	—	3	—47 58 19,11	,497	, 216	—
3483	Cancri 8	2	6 13,12	3,443	, 003	+,012	4	+18 4 13,70	,497	, 420	+ ,03
3484	Navis B 5.6	3	6 15,45	1,032	, 017	—	3	—60 48 12,76	,500	, 116	—
3485	— 7	3	6 20,10	2,228	, 002	—	3	—36 29 53,08	,507	, 270	—
3486	Navis 7	3	6 34,29	2,013	, 004	+,026	3	—42 54 32,76	,523	, 241	— ,04
3487	— 7.8	7	6 44,18	2,369	, 003	+,034	6	—31 39 44,37	,536	, 287	+ ,10
3488	— 7	3	6 48,97	1,887	, 006	+,016	3	—46 9 9,87	,542	, 225	— ,01
3489	Lyncis *w* 6.7	4	7 3,50	4,908	, 063	—,011	4	+58 14 54,22	,560	, 607	— ,04
3490	Navis 7	5	7 7,10	2,250	, 002	—	6	—35 50 49,73	,565	, 271	—
3491	Navis 6.7	5	7 11,27	2,251	, 002	—	5	—35 48 55,84	,570	, 271	—
3492	Arg. in pup. *r* 5	15	7 16,01	2,264	, 002	+,005	12	—35 24 17,04	,576	, 272	— ,03
3493	Cancri 8	3	7 17,14	3,269	, 005	+,007	4	+ 9 54 25,67	,578	, 399	— ,06
3494	— 8	3	7 20,21	3,664	, 019	+,010	4	+27 33 14,76	,582	, 446	— ,05
3495	Piscis Vol. *ι* 5	10	7 22,18	0,241	, 035	—	7	—68 7 55,49	,584	, 030	—
3496	Lyncis 8	3	7 31,95	4,617	, 051	+,004	3	+53 42 15,01	,595	, 568	— ,05
3497	17 Cancri β 4	19	7 33,84	3,265	, 005	+,009	28	+ 9 41 19,48	,597	, 398	— ,06
3498	319 Navis 6.7	5	7 39,86	2,371	, 003	+,013	9	—31 38 38,32	,604	, 288	+ ,06
3499	— 5.6	4	7 46,62	2,252	, 002	—	3	—35 49 33,04	,614	, 272	—
3500	— 6.7	3	7 46,86	2,251	, 002	—	3	—35 50 39,68	,614	, 272	—
3501	Navis h^2 6	3	8 11,58	2,125	, 002	+,016	4	—39 50 50,64	,644	, 256	— ,11
3502	— 7	3	8 21,16	1,531	, 011	—	3	—53 39 9,27	,657	, 176	—
3503	— 7	3	8 33,59	1,895	, 006	—	3	—46 4 51,33	,670	, 226	—
3504	43 Cancri 6.7	4	8 35,21	3,258	, 005	+,006	4	+ 9 22 14,10	,673	, 395	— ,07
3505	— 8	1	8 43,28	3,264	, 005	+,010	4	+ 9 40 15,02	,682	, 397	,00
3506	12 Urs. Maj. 6.7	4	8 48,18	5,124	, 074	—,001	4	+61 8 38,00	,689	, 628	— ,07
3507	323 Navis 6	3	9 6,17	1,927	, 006	+,007	3	—45 20 2,11	,712	, 228	+ ,13
3508	— 8	3	9 9,03	1,149	, 016	—	3	—59 32 34,75	,715	, 133	—
3509	— 7.8	7	9 15,28	1,783	, 008	—	6	—48 44 4,10	,723	, 211	—
3510	— 7.8	3	9 18,65	2,427	, 003	—	3	—29 40 52,60	,728	, 292	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3511	Navis 8	6	8 9 21,29	+1,792	—,00008	——	6	—48 32 58,39	10,731	—,00214	——
3512	Cancri 8	3	9 26,72	3,263	, 005	+,007	4	+ 9 39 28,98	,738	, 395	—0,04
3513	21 Navis 6	9	9 49,39	2,752	, 004	—,022	6	—15 46 43,14	,764	, 332	— ,03
3514	18 Cancri *x* 6	6	10 1,96	3,664	, 020	+,017	4	+27 44 46,86	,781	, 441	— ,33
3515	Navis 7.8	8	10 21,28	1,789	, 008	——	8	—48 40 35,71	,805	, 213	——
3516	—— 7.8	3	10 32,59	2,527	, 003	——	3	—25 47 37,57	,816	, 303	——
3517	Navis 7.8	9	10 34,46	1,796	, 008	——	6	—48 32 47,55	,818	, 214	——
3518	—— 7	3	10 47,84	1,913	, 006	——	3	—45 48 32,97	,823	, 226	——
3519	19 Cancri λ 6	6	10 42,92	3,585	, 018	—,004	5	+24 32 11,46	,829	, 431	+ ,08
3520	—— 6.7	8	10 43,15	3,509	, 017	+,023	5	+21 15 43,20	,829	, 422	— ,10
3521	Navis 7.8	3	10 49,31	1,787	, 008	——	4	—48 45 34,17	,837	, 226	——
3522	103 Off. Typ. 7.8	7	10 57,55	2,790	, 005	+,015	8	—14 3 21,47	,847	, 336	— ,01
3523	Navis 7.8	10	11 6,47	1,792	, 008	——	9	—48 40 43,78	,859	, 212	——
3524	Hydræ E² 6	4	11 9,25	3,159	, 007	+,012	4	+ 4 27 40,64	,862	, 381	— ,02
3525	Navis 7	4	11 15,85	2,435	, 003	——	4	—29 29 42,16	,871	, 292	——
3526	Lyncis *t* 6	4	11 16,18	4,604	, 054	+,001	4	+53 44 35,26	,871	, 560	— ,10
3527	Navis 8	3	11 23,68	2,527	, 003	——	3	—25 49 55,13	,881	, 302	——
3528	31 Lyncis *m* 5	10	11 30,87	4,145	, 035	+,010	10	+43 42 36,80	,888	, 501	— ,15
3529	Navis 7	3	11 38,18	2,060	, 004	——	3	—42 0 47,14	,896	, 245	——
3530	—— 7.8	2	11 41,62	1,939	, 006	——	2	—45 14 39,19	,901	, 228	——
3531	Navis 6.7	2	12 14,02	1,851	, 007	——	2	—47 24 38,65	,942	, 217	——
3532	—— 7.8	3	12 22,01	1,361	, 014	——	3	—56 45 40,63	,952	, 156	——
3533	Arg. in pup. *q* 4.5	11	12 23,12	2,253	, 003	—,012	10	—36 9 6,39	,953	, 267	— ,02
3534	Navis 8	3	12 34,80	1,167	, 016	——	3	—59 33 1,00	,966	, 135	——
3535	Cancri 8	3	13 21,83	3,292	, 005	+,016	2	+11 10 55,18	11,025	, 395	— ,04
3536	Navis 7	3	13 28,94	1,973	, 006	——	3	—44 31 17,07	,033	, 232	——
3537	—— 7	3	13 34,63	2,452	, 003	——	3	—29 1 28,70	,039	, 291	——
3538	7 Hydræ 7	1	13 37,08	3,123	, 008	+,015	4	+ 2 40 18,71	,041	, 374	— ,06
3539	Navis 6.7	3	13 47,66	1,887	, 007	——	3	—46 41 45,06	,055	, 222	——
3540	—— 7	3	13 51,44	1,929	, 007	——	3	—45 41 22,15	,059	, 227	——
3541	20 Cancri *d*¹ 6	8	13 54,69	3,452	, 016	,000	10	+18 51 22,45	,063	, 412	— ,01
3542	—— 8.9	4	13 58,82	3,448	, 016	+,023	3	+18 39 34,51	,069	, 412	— ,01
3543	Navis 7	3	14 1,18	1,846	, 008	——	3	—47 40 56,01	,071	, 217	——
3544	13 Urs. Maj. 6.7	4	14 6,12	5,806	, 121	+,009	5	+67 49 45,64	,078	, 701	— ,04
3545	Navis 6.7	3	14 32,92	1,243	, 014	——	3	—58 39 2,38	,110	, 143	——
3546	Navis 7	3	14 50,35	1,791	, 009	——	3	—49 1 8,04	,131	, 112	——
3547	21 Cancri *f* 7	6	14 53,52	3,290	, 005	+,012	7	+11 9 29,27	,134	, 397	— ,12
3548	Navis *w* 5.6	6	14 53,60	2,362	, 003	+,018	4	—32 31 59,97	,135	, 278	— ,02
3549	—— 7.8	7	14 55,30	1,160	, 016	——	5	—59 47 53,99	,136	, 134	——
3550	22 —— 6	5	15 1,59	2,824	, 005	+,004	5	—12 31 42,82	,144	, 336	,00
3551	Navis 7	3	15 3,83	2,008	, 005	——	3	—43 44 7,13	,148	, 235	——
3552	—— 6	2	15 7,20	2,264	, 003	——	2	—35 57 45,72	,152	, 267	——
3553	—— 7.8	6	15 13,10	1,162	, 016	——	4	—59 47 41,32	,159	, 133	——
3554	—— 6.7	3	15 21,57	1,679	, 010	——	3	—51 25 27,81	,170	, 195	——
3555	Cancri 6.7	3	15 21,71	3,426	, 004	+,007	4	+17 42 53,75	,171	, 408	— ,15

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3556	Navis 6.7	3	8 15 26,47	+2,169	—,00003	—	3	—89 5 55,05	11,174	—,00255	—
3557	—— 7	3	15 33,93	2,166	, 003	—	3	—39 11 35,42	,185	, 255	—
3558	—— 6.7	3	15 37,79	1,589	, 011	—	5	—53 10 8,64	,190	, 181	—
3559	—— 6	6	15 51,73	2,534	, 003	+,003	5	—25 49 26,90	,206	, 298	—0,06
3560	—— 7	3	15 58,90	1,983	, 006	—	3	—44 28 1,43	,215	, 230	—
3561	Navis 9	3	16 1,76	2,062	, 005	—	3	—42 18 45,48	,219	, 240	—
3562	—— 7	3	16 9,17	2,403	, 004	—	3	—31 4 55,46	,227	, 283	—
3563	—— 7	3	16 11,47	1,983	, 006	—	3	—44 28 47,16	,229	, 230	—
3564	1 Hydræ 6	5	16 21,67	3,009	, 007	+,009	5	— 3 13 16,45	,242	, 356	— ,07
3565	22 Cancri φ¹ 6.7	6	16 24,84	3,670	, 021	+,007	5	+28 25 51,29	,245	, 434	— ,12
3566	Navis 7	6	16 25,78	1,669	, 011	—	7	—51 42 20,18	,247	, 191	—
3567	14 Urs. Maj. 6	4	16 26,88	6,090	, 139	—,009	4	+69 51 47,58	,248	, 731	— ,03
3568	25 Cancri d² 6	6	16 29,05	3,422	, 015	—,002	5	+17 35 4,47	,251	, 407	— ,11
3569	1 Urs. Maj. o 4.5	7	16 29,56	5,090	, 079	—,016	23	+61 15 39,68	,251	, 609	— ,12
3570	Navis 6.7	3	16 29,99	1,185	, 015	—	3	—59 34 53,08	,252	, 135	—
3571	Cancri 9	5	16 37,48	3,674	, 021	+,003	4	+28 34 42,58	,262	, 434	— ,01
3572	Navis 7	5	16 37,94	1,651	, 011	—	5	—52 3 46,25	,263	, 190	—
3573	—— 7	3	16 40,91	2,500	, 004	—	3	—27 17 34,01	,267	, 293	—
3574	23 Cancri φ² 6	10	16 47,71	3,646	, 020	+,006	7	+27 28 2,56	,275	, 430	— ,04
3575	24 —— ψ¹ 7	6	16 50,33	3,588	, 019	—,006	7	+25 4 13,16	,277	, 423	— ,11
3576	Cancri 7.8	6	16 50,40	3,588	, 019	—,006	6	+25 4 14,33	,277	, 423	— ,08
3577	Navis 7	3	17 0,48	2,436	, 004	—	3	—29 51 50,40	,289	, 285	—
3578	—— 7	3	17 3,43	1,875	, 008	—	3	—47 15 27,50	,293	, 216	—
3579	Cancri 6	6	17 3,56	3,228	, 011	+,001	4	+ 8 5 46,92	,293	, 380	— ,05
3580	Navis 7	3	17 8,32	1,991	, 006	—	3	—44 20 23,14	,299	, 229	—
3581	16 Urs. Maj. 7	3	17 8,47	3,006	, 006	+,016	4	— 3 22 21,73	,299	, 354	— ,06
3582	30 Monocer. q 5.6	6	17 25,00	5,781	, 123	+,008	4	+67 50 21,18	,318	, 692	— ,08
3583	Navis 7	3	17 31,72	1,342	, 014	—	3	—57 26 53,98	,328	, 151	—
3584	—— 8.9	4	17 34,62	1,861	, 008	—	4	—47 41 0,22	,332	, 215	—
3585	27 Cancri e 6.7	6	17 36,18	3,330	, 013	+,009	5	+13 11 36,48	,333	, 393	— ,12
3586	Navis 7.8	3	17 36,52	1,830	, 009	—	3	—48 22 31,61	,333	, 211	—
3587	—— 7.8	3	17 52,10	1,990	, 006	—	3	—44 26 9,10	,351	, 229	—
3588	Cancri 7.8	3	17 52,41	3,229	, 011	+,010	4	+ 8 11 5,79	,351	, 381	— ,10
3589	Navis 6	8	17 56,53	2,591	, 003	+,020	5	—23 30 55,83	,356	, 304	— ,03
3590	—— 6	3	17 59,60	2,591	, 003	+,005	3	—23 30 55,34	,361	, 304	— ,10
3591	Navis 8	4	18 3,72	1,966	, 007	—	4	—45 4 59,20	,366	, 227	—
3592	2 Hydræ 6	3	18 12,50	3,005	, 006	+,004	3	— 3 27 1,44	,375	, 354	— ,13
3593	Navis 6.7	3	18 18,14	1,682	, 011	—	3	—51 35 43,41	,382	, 193	—
3594	28 Cancri ν² 6.7	9	18 49,30	3,576	, 019	+,014	5	+24 41 14,02	,422	, 420	— ,01
3595	Lyncis 6.7	5	18 57,70	4,565	, 054	+,006	4	+53 39 56,45	,430	, 540	— ,13
3596	Navis 2	27	19 7,35	1,245	, 014	—	7	—58 58 48,77	,441	, 141	—
3597	—— 6.7	3	19 15,31	2,074	, 005	—	3	—42 14 10,23	,451	, 239	—
3598	29 Cancri 6	6	19 24,57	3,360	, 014	+,010	5	+14 46 4,93	,461	, 396	— ,10
3599	Navis 7.8	4	19 32,89	1,517	, 012	—	5	—54 47 9,42	,472	, 171	—
3600	Urs. Maj. A 6	4	19 44,00	5,499	, 107	+,029	5	+65 41 54,10	,486	, 656	— ,08

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
3601	72 Cancri	7	2	8 19 52,16	+3,579	—,00019	+,017	3	+24 53 17,07	11,495	—,00417	—0,09
3602	73 ———	7	4	19 54,44	3,623	, 020	+,006	4	+26 44 10,22	,498	, 422	— ,02
3603	Navis	6.7	3	20 2,79	2,472	, 004	——	3	—28 40 37,74	,509	, 286	——
3604	354 ———	6	3	20 5,73	2,098	, 005	+,013	4	—41 37 0,46	,512	, 240	+ ,03
3605	19 Urs. Maj.	6.7	4	20 7,87	4,560	, 055	+,006	4	+53 39 55,97	,515	, 527	— ,10
3606	Monocer.	8	3	20 9,47	3,033	, 008	—,001	3	— 1 58 31,61	,516	, 354	— ,03
3607	4 Navis	6.7	7	20 31,58	1,519	, 012	——	6	—54 49 45,70	,542	, 168	——
3608	———	6.7	3	20 41,75	2,576	, 003	——	3	—24 20 58,32	,556	, 299	——
3609	———	6.7	3	20 53,71	2,548	, 003	——	3	—25 35 26,33	,570	, 294	——
3610	———	7	3	20 56,09	2,088	, 005	——	3	—41 59 2,46	,572	, 241	——
3611	Navis	6.7	8	21 0,35	1,515	, 012	——	8	—54 56 7,01	,577	, 167	——
3612	———	8	3	21 1,34	1,862	, 008	——	3	—47 53 42,83	,578	, 212	——
3613	13 Hydræ	6.7	4	21 5,87	3,063	, 008	—,005	4	— 0 24 54,88	,584	, 357	— ,05
3614	Navis	7.8	7	21 13,04	1,877	, 008	——	7	—47 33 36,33	,592	, 214	——
3615	———	7.8	2	21 32,22	2,029	, 006	——	2	—43 41 28,16	,615	, 231	——
3616	Navis	8	3	21 36,17	1,819	, 009	——	3	—48 57 22,58	,620	, 207	——
3617	30 Cancri	v^3 6.7	4	21 44,61	3,571	, 019	+,004	4	+24 37 53,65	,630	, 414	— ,11
3618	Navis	7.8	3	21 48,02	1,355	, 014	——	3	—57 35 39,39	,634	, 150	——
3619	———	6	3	21 52,42	1,663	, 011	——	3	—52 16 0,28	,638	, 187	——
3620	———	7	3	22 9,49	2,135	, 004	——	3	—40 42 7,96	,659	, 244	——
3621	31 Cancri	θ 5.6	7	22 10,88	3,438	, 015	+,014	8	+18 38 48,65	,661	, 399	— ,06
3622	77 ———	6.7	2	22 12,79	3,457	, 016	—,002	4	+19 32 18,40	,663	, 401	— ,03
3623	Navis	7	3	22 14,35	1,747	, 010	——	3	—50 35 11,71	,665	, 199	——
3624	———	7.8	3	22 18,44	1,731	, 010	——	3	—50 55 55,67	,669	, 196	——
3625	———	7.8	3	22 24,29	1,672	, 011	——	3	—52 8 36,94	,676	, 189	——
3626	Navis	6	8	22 24,34	1,671	, 011	——	7	—52 9 35,07	,676	, 189	——
3627	———	7	14	22 35,90	1,529	, 012	——	13	—54 49 13,89	,691	, 169	——
3628	———	7-8	3	22 36,59	2,034	, 007	——	3	—43 40 41,33	,691	, 231	——
3629	———	7.8	3	22 44,43	2,139	, 005	——	3	—40 37 46,21	,700	, 244	——
3630	111 Lyncis	6	5	22 45,49	3,889	, 028	—,002	3	+36 59 19,41	,701	, 450	— ,14
3631	Navis	7.8	9	22 46,69	1,532	, 012	——	8	—54 47 23,52	,704	, 169	——
3632	———	7	3	23 7,15	2,093	, 005	——	3	—42 2 27,57	,727	, 238	——
3633	33 Cancri	η 6	7	23 9,52	3,487	, 017	+,006	5	+20 59 46,01	,730	, 403	— ,04
3634	Navis	7	7	23 12,26	1,552	, 012	——	7	—54 28 0,59	,733	, 171	——
3635	Cancri	v^4 6.7	3	23 14,19	3,568	, 019	—,001	4	+24 38 25,71	,736	, 412	— ,02
3636	Pis. Vol.	η 5	7	23 29,56	—0,444	, 079	——	5	—72 51 59,65	,754	+, 052	——
3637	Navis	6	3	23 31,04	+2,039	, 006	——	3	—43 36 44,87	,756	—, 230	——
3638	———	7.8	6	23 32,22	1,722	, 011	——	6	—51 13 26,77	,758	, 194	——
3639	34 Cancri	h 6.7	10	23 40,83	3,274	, 012	+,011	5	+10 37 11,34	,768	, 378	— ,08
3640	Navis	6	3	23 51,83	1,895	, 008	——	3	—47 22 50,95	,780	, 214	——
3641	Navis	6	4	23 54,02	2,020	, 006	——	4	—44 10 34,69	,783	, 228	——
3642	Pis. Vol.	β 5	12	23 55,43	0,687	, 026	——	14	—65 35 10,57	,784	, 082	——
3643	Monocer.	8	2	23 59,00	2,700	, 003	+,001	4	—18 57 11,47	,789	, 309	+ ,01
3644	———	6	7	24 6,22	2,699	, 003	+,016	5	—19 1 30,58	,797	, 309	— ,08
3645	Lyncis	D 6.7	2	24 6,86	3,885	, 029	+,013	4	+36 58 45,74	,798	, 449	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3646	Monocer. 8.9	3	8 24 21,07	+3,022	—,00008	+,018	4	— 2 37 28,60	11,815	—,00349	—0,11
3647	362 Navis 6.7	4	24 22,77	1,961	, 007	+,017	4	—45 46 54,84	,817	, 221	— ,02
3648	Urs. Maj. π¹ 6.7	4	24 27,19	5,451	, 108	—,001	4	+65 34 54,17	,821	, 636	+ ,09
3649	Navis 7	2	24 31,43	1,894	, 008	——	2	—47 28 34,85	,826	, 213	——
3650	84 Cancri 6.7	3	24 36,23	3,337	, 013	+,005	4	+13 48 58,59	,832	, 384	— ,08
3651	Navis 7	3	24 37,46	2,166	, 004	——	3	—39 57 37,55	,833	, 246	——
3652	—— 7	3	24 41,48	2,167	, 004	——	3	—39 56 52,79	,838	, 246	——
3653	Lyncis 7	5	24 48,13	4,359	, 046	+,002	4	+49 56 15,74	,846	, 499	— ,08
3654	Navis 7	3	25 1,33	2,213	, 004	——	3	—38 30 29,43	,861	, 251	——
3655	—— 7	3	25 5,41	2,023	, 006	——	2	—44 11 4,84	,866	, 228	——
3656	Navis G 7	3	25 5,63	1,605	, 012	——	3	—53 39 41,17	,867	, 177	——
3657	Monocer. 8.9	4	25 13,29	3,026	, 008	+,011	4	— 2 25 7,62	,875	, 349	— ,07
3658	Navis 6.7	5	25 19,66	2,214	, 004	——	5	—38 30 35,63	,884	, 251	——
3659	—— 7.8	7	25 21,11	1,553	, 012	——	6	—54 38 19,98	,885	, 169	——
3660	—— 7.8	3	25 25,31	1,768	, 010	——	3	—50 25 6,17	,889	, 199	——
3661	Navis 7	5	25 41,44	1,575	, 012	——	5	—54 16 28,07	,909	, 172	——
3662	4 Urs. Maj. π² 5	9	25 42,23	5,368	, 103	+,001	7	+64 53 43,73	,910	, 623	+ ,05
3663	87 Cancri 6.7	3	25 49,82	3,466	, 016	+,002	4	+20 9 4,49	,919	, 397	— ,10
3664	Navis 7.8	7	25 51,78	2,215	, 004	——	6	—38 30 37,73	,921	, 251	——
3665	—— 6.7	3	25 56,41	1,905	, 008	——	3	—47 18 42,83	,926	, 213	——
3666	Navis 7	3	26 9,41	1,988	, 007	——	3	—45 13 43,77	,942	, 222	——
3667	88 Cancri 7.8	4	26 14,97	3,469	, 017	—,009	4	+20 20 2,60	,949	, 398	— ,06
3668	Pix. Naut. 6.7	3	26 24,92	2,427	, 004	——	3	—30 58 33,40	,960	, 275	——
3669	—— 7	2	26 31,68	2,345	, 004	——	2	—34 4 32,54	,969	, 265	——
3670	26 Urs. Maj. 6.7	3	26 41,71	4,520	, 056	—,003	4	+53 29 41,51	,980	, 521	— ,08
3671	Hydræ 7.8	4	26 49,00	3,133	, 009	+,004	4	+ 3 18 22,53	,988	, 359	— ,04
3672	90 Cancri 6.7	3	26 52,11	3,376	, 014	+,009	4	+ 15 52 43,82	,991	, 386	— ,10
3673	Urs. Maj. 7.8	4	26 59,65	5,399	, 106	—,011	4	+65 16 55,67	12,001	, 625	— ,09
3674	27 —— —— 6	3	27 1,52	4,507	, 056	—,002	4	+53 16 55,54	,002	, 518	— ,05
3675	Hydræ 6	6	27 4,46	3,206	, 011	+,006	6	+ 7 11 27,40	,006	, 367	— ,15
3676	Navis 7.8	3	27 20,20	1,838	, 009	——	3	—49 2 31,50	,025	, 207	——
3677	220 Monocer. 6	3	27 25,11	2,931	, 006	—,010	6	— 7 25 7,91	,030	, 334	— ,01
3678	Navis 6.7	3	27 29,98	1,669	, 011	——	3	—52 39 12,57	,036	, 183	——
3679	—— 6	3	27 31,49	2,227	, 005	——	3	—38 17 15,33	,037	, 251	——
3680	—— 7.8	5	27 33,30	1,994	, 007	——	5	—45 11 34,76	,040	, 223	——
3681	Navis 7.8	3	27 37,14	1,922	, 008	——	3	—47 2 42,78	,044	, 214	——
3682	—— 7	3	27 55,42	2,285	, 005	——	3	—36 20 45,36	,066	, 258	——
3683	117 Lyncis 6.7	3	27 59,68	3,774	, 026	+,006	4	+33 22 17,64	,071	, 431	— ,05
3684	Navis 7.8	3	28 5,76	1,977	, 008	——	3	—45 41 10,06	,078	, 220	——
3685	36 Cancri c¹ 7	5	28 8,45	3,263	, 012	—,003	4	+10 13 31,92	,081	, 371	+ ,15
3686	Navis 6.7	6	28 15,50	2,265	, 005	——	5	—37 2 52,11	,089	, 254	——
3687	—— 7	3	28 17,15	1,571	, 013	——	3	—54 33 49,40	,091	, 172	——
3688	94 Cancri 7	3	28 18,44	3,456	, 016	+,003	4	+19 50 12,49	,092	, 403	+ ,04
3689	Navis 7	3	28 25,49	1,553	, 013	——	3	—54 54 34,51	,100	, 169	——
3690	—— 7.8	3	28 41,35	2,003	, 007	——	3	—45 4 15,23	,119	, 223	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3691	4 Hydræ δ 4	26	8 28 55,01	+3,188	—,00010	+,005	24	+ 6 16 26,26	12,135	—,00359	—0,09
3692	Navis 7	3	28 56,82	2,053	, 007	——	3	—43 42 14,57	,137	, 227	——
3693	Cancri e² 7	3	29 8,70	3,261	, 012	+,006	2	+10 8 44,75	,152	, 367	— ,07
3694	Navis 6.7	7	29 9,05	2,197	, 005	——	7	—39 24 22,16	,152	, 244	——
3695	122 Lyncis 7	3	29 14,07	3,764	, 026	—,010	4	+33 5 22,09	,158	, 426	— ,09
3696	Navis 6.7	3	29 31,83	1,686	, 011	——	3	—52 30 23,68	,179	, 184	——
3697	Lyncis E² 6	3	29 34,64	4,187	, 041	—,001	4	+46 24 21,46	,182	, 475	+ ,09
3698	Navis 6.7	3	29 35,27	1,781	, 010	——	3	—50 31 38,52	,182	, 197	——
3699	Cancri 8	3	29 37,33	3,463	, 017	+,021	2	+20 15 2,01	,184	, 389	— ,05
3700	3 Leo. Min. 7.8	5	29 37,95	3,769	, 026	+,009	4	+33 18 11,14	,185	, 427	— ,07
3701	Cancri 8	1	29 40,28	3,461	, 017	+,015	1	+20 9 58,39	,187	, 389	— ,09
3702	Navis C 6	3	29 41,23	1,833	, 010	——	3	—49 22 39,55	,189	, 204	——
3703	Pix. Naut. 7.8	2	30 1,95	2,557	, 004	+,006	3	—25 50 38,56	,213	, 285	+ ,01
3704	4 Leo. Min. 7	2	30 3,65	3,747	, 025	+,005	4	+32 31 9,28	,216	, 423	— ,02
3705	Navis 7.8	3	30 7,89	1,934	, 008	——	3	—47 0 12,72	,221	, 214	——
3706	5 Hydræ σ 5	14	30 8,03	3,144	, 010	+,016	8	+ 3 54 56,74	,221	, 355	— ,04
3707	Cancri 8	3	30 12,52	3,471	, 017	+,015	4	+20 39 43,68	,225	, 391	— ,01
3708	38 ——— o 7	9	30 13,32	3,464	, 017	+,003	9	+20 21 14,78	,226	, 390	— ,01
3709	——— 7	10	30 22,41	3,459	, 017	+,016	7	+20 7 2,10	,237	, 389	— ,01
3710	Navis 8	3	30 33,74	1,752	, 011	——	2	—51 15 9,85	,250	, 193	——
3711	Navis 7.8	3	30 36,11	1,977	, 008	——	3	—45 55 54,15	,252	, 218	——
3712	39 Cancri 6	8	30 36,68	3,469	, 017	+,010	5	+20 35 3,24	,253	, 389	— ,09
3713	40 ——— 6	4	30 41,68	3,468	, 017	+,002	5	+20 32 52,05	,259	, 389	— ,08
3714	Pix. Naut. η 6	5	30 49,50	2,562	, 004	+,009	6	—25 40 52,18	,267	, 285	,00
3715	Cancri 8	5	30 49,82	3,458	, 017	+,015	5	+20 6 34,23	,268	, 388	— ,07
3716	Cancri 7	4	30 53,45	3,461	, 017	+,013	5	+20 14 51,74	,272	, 388	— ,01
3717	Navis E² 6	3	30 56,55	1,793	, 010	——	3	—50 23 58,30	,275	, 199	——
3718	41 Cancri ε 6.7	14	30 58,67	3,458	, 017	+,006	6	+20 7 21,34	,279	, 388	— ,05
3719	Navis 7.8	7	31 8,83	1,588	, 012	——	7	—54 31 55,95	,291	, 167	——
3720	Cancri o 6.7	3	31 14,22	3,462	, 017	+,010	4	+20 17 51,96	,297	, 388	— ,05
3721	Navis 7	2	31 20,22	2,067	, 007	——	2	—43 32 32,44	,304	, 227	——
3722	——— 7.8	3	31 21,29	1,941	, 008	——	3	—46 55 40,16	,305	, 211	——
3723	——— e¹ 6	3	31 25,55	1,404	, 014	——	3	—57 39 18,29	,309	, 149	——
3724	——— 7	3	31 25,70	1,922	, 008	——	3	—47 25 34,52	,310	, 213	——
3725	——— e² 6	3	31 26,09	1,418	, 013	——	3	—57 26 24,02	,310	, 152	——
3726	107 Cancri 6.7	3	31 28,00	3,458	, 017	+,002	1	+20 9 33,45	,312	, 387	— ,10
3727	Urs. Maj. 7	6	31 42,19	4,304	, 046	+,010	3	+49 26 57,15	,328	, 481	— ,13
3728	Cancri 8	7	31 43,67	3,477	, 018	+,011	7	+21 3 24,17	,330	, 389	— ,01
3729	Arg in Vel. e¹ 5	14	31 50,72	2,108	, 006	,000	9	—42 24 55,01	,338	, 230	— ,03
3730	Navis 7.8	4	32 2,54	1,865	, 009	——	4	—48 51 4,52	,351	, 205	——
3731	6 Hydræ 5.6	6	32 12,59	2,849	, 005	+,008	5	—11 53 49,23	,363	, 318	— ,05
3732	Cancri 7	7	32 20,88	3,464	, 017	+,005	5	+20 27 24,18	,374	, 387	,00
3733	Pix. Naut. 7	6	32 48,17	2,501	, 004	——	6	—28 30 8,62	,403	, 276	——
3734	——— ——— ζ 6	5	32 51,83	2,489	, 004	+,010	5	—28 58 38,96	,408	, 274	— ,08
3735	Navis 7.8	3	32 53,35	1,841	, 010	——	3	—49 30 16,98	,410	, 202	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
"			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3736	Pix. Naut. 7	3	8 33 3,51	+2,307	—,00005	—	3	—36 1 47,15	12,422	—,00256	—
3737	Navis 7.8	3	33 18,37	1,605	, 012	—	3	—54 25 3,68	,438	, 172	—
3738	Pix. Naut. β 5	14	33 38,87	2,345	, 004	+,022	14	—34 43 36,09	,462	, 260	—0,02
3739	43 Cancri γ 5	21	33 43,65	3,495	, 018	,000	13	+22 3 22,35	,469	, 390	— ,08
3740	114 ——— 7.8	4	33 45,00	3,426	, 017	+,009	3	+18 44 10,43	,470	, 383	— ,04
3741	29 Urs. Maj. 6.7	3	33 46,28	5,575	, 128	+,004	4	+67 18 14,68	,471	, 630	— ,06
3742	Navis 6.7	3	34 3,61	1,707	, 011	—	3	—52 30 41,71	,490	, 185	—
3743	9 Hydræ 6	6	34 4,06	2,784	, 004	+,006	5	—15 21 17,32	,491	, 310	— ,11
3744	Urs. Maj. 7	5	34 4,49	4,295	, 047	+,015	4	+49 28 5,69	,492	, 479	— ,07
3745	45 Cancri A¹ 6.7	6	34 6,35	3,318	, 014	+,007	5	+13 16 3,20	,494	, 369	,00
3746	382 Navis 6.7	7	34 16,30	2,204	, 005	+,039	8	—39 40 54,49	,505	, 243	— ,04
3747	——— 8.9	2	34 28,83	2,138	, 006	—	2	—41 46 16,45	,520	, 235	—
3748	——— 7	3	34 29,32	2,137	, 006	—	3	—41 48 30,03	,521	, 235	—
3749	7 Hydræ η 5	9	34 35,95	3,144	, 010	+,009	20	+ 3 59 10,59	,528	, 351	+ ,02
3750	Navis 6.7	3	34 45,64	1,693	, 011	—	3	—52 51 32,93	,539	, 183	—
3751	Navis 8	3	34 50,23	2,139	, 006	—	3	—41 45 27,71	,544	, 235	—
3752	——— 7	3	34 56,17	1,918	, 009	—	3	—47 51 46,51	,551	, 208	—
3753	——— 6	3	34 57,98	2,042	, 007	—	3	—44 36 25,06	,553	, 222	—
3754	Arg. in Vel. b 5	12	35 9,24	1,989	, 008	,000	11	—46 3 55,33	,565	, 216	— ,11
3755	118 Cancri 6	4	35 13,18	3,704	, 024	+,011	4	+31 17 21,41	,568	, 413	— ,06
3756	Navis 5.6	9	35 15,50	1,714	, 011	—	9	—52 28 19,11	,573	, 185	—
3757	——— 7.8	3	35 17,65	1,768	, 010	—	3	—51 21 30,00	,575	, 191	—
3758	47 Cancri δ 4.5	13	35 18,05	3,425	, 016	+,012	9	+18 45 19,92	,575	, 381	— ,25
3759	Navis 7	3	35 27,13	1,676	, 012	—	3	—53 16 2,15	,586	, 180	—
3760	Monocer. 9	2	35 30,47	2,950	, 006	+,004	1	— 6 37 48,39	,589	, 328	— ,07
3761	Pix. Naut. 7	2	35 31,68	2,429	, 004	—	2	—31 38 36,62	,591	, 266	—
3762	Monocer. r 5.6	3	35 33,86	2,950	, 006	+,005	4	— 6 38 38,99	,593	, 328	— ,02
3763	Navis o 4	6	35 34,03	1,722	, 011	—	8	—52 20 20,25	,593	, 186	—
3764	——— 6	3	35 34,62	1,718	, 011	—	3	—52 25 54,69	,594	, 185	—
3765	——— 7	3	35 35,06	1,930	, 009	—	3	—47 38 24,02	,595	, 210	—
3766	Navis 7.8	2	35 42,42	1,936	, 009	—	2	—47 28 53,85	,603	, 210	—
3767	——— 6.7	3	35 42,85	1,288	, 015	—	3	—59 44 5,85	,603	, 138	—
3768	49 Cancri b 6.7	5	35 47,42	3,267	, 013	+,017	5	+10 40 25,13	,608	, 365	— ,07
3769	Navis 6.7	3	35 48,82	1,966	, 008	—	3	—46 43 53,46	,610	, 213	—
3770	——— 6	3	35 51,54	1,903	, 009	—	3	—48 20 12,53	,614	, 206	—
3771	Navis 7	3	35 53,54	1,957	, 009	—	3	—46 59 19,43	,616	, 212	—
3772	——— 7	2	35 56,06	2,053	, 008	—	2	—44 24 18,57	,619	, 223	—
3773	Cancri 8	3	36 5,46	3,437	, 017	—,009	4	+19 24 38,03	,628	, 380	— ,02
3774	10 Hydræ 7	7	36 16,77	3,185	, 011	+,010	7	+ 6 16 24,82	,642	, 353	— ,03
3775	Navis 5.6	7	36 20,52	2,039	, 008	—	7	—44 49 20,62	,647	, 221	—
3776	Lyncis 9.10	5	36 28,89	4,475	, 058	,000	4	+53 31 40,61	,656	, 499	— ,08
3777	Navis 6.7	3	36 41,63	1,477	, 013	—	3	—56 57 33,66	,671	, 156	—
3778	48 Cancri ι 5.6	5	36 41,98	3,655	, 023	+,009	5	+29 21 27,69	,671	, 405	— ,09
3779	Navis E 6	6	36 56,17	1,940	, 009	—	6	—47 30 33,22	,687	, 209	—
3780	Arg. in Car. d 5	4	36 58,01	1,336	, 014	—	4	—59 10 24,68	,689	, 143	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
3781	Pix. Naut. α 4.5	11	8 36 58,06	+2,409	—,00005	+,006	9	—32 35 43,02	12,689	—,00262	+0,04
3782	Hydræ 8	4	37 0,43	3,035	, 008	+,001	3	— 2 0 22,41	,691	, 336	— ,01
3783	—— 7.8	3	37 0,77	3,035	, 008	+,004	4	— 2 0 21,79	,692	, 336	— ,03
3784	Navis 7.8	2	37 3,33	1,723	, 011	——	2	—52 28 28,14	,694	, 184	——
3785	—— 7.8	3	37 15,08	1,939	, 009	——	3	—47 34 24,20	,708	, 209	——
3786	Navis 7	3	37 20,35	1,992	, 008	——	3	—46 13 10,22	,714	, 215	——
3787	—— 7.8	2	37 25,05	1,729	, 011	——	2	—52 22 42,71	,719	, 185	——
3788	Cancri 8.9	2	37 25,86	3,276	, 013	+,001	4	+11 11 25,49	,720	, 361	— ,12
3789	Navis 7	3	37 31,00	2,039	, 008	——	3	—44 58 8,76	,726	, 220	——
3790	—— 6.7	4	37 35,47	1,724	, 011	——	4	—52 30 37,87	,731	, 184	——
3791	Navis 6.7	3	37 41,91	1,724	, 011	——	3	—52 31 26,99	,739	, 184	——
3792	50 Cancri A² 6	7	37 53,09	3,304	, 014	+,010	5	+12 42 38,80	,751	, 364	— ,12
3793	Navis 7.8	7	37 54,27	1,956	, 009	——	7	—47 12 51,85	,752	, 210	——
3794	—— 7.8	3	38 0,41	2,295	, 005	——	3	—36 55 55,42	,759	, 249	——
3795	11 Hydræ ε 4	14	38 2,08	3,198	, 011	—,003	6	+ 7 1 9,45	,761	, 352	,00
3796	Navis 9	3	38 13,65	1,973	, 009	——	3	—46 48 32,35	,774	, 212	——
3797	—— 7.8	6	38 14,36	1,695	, 011	——	6	—53 9 29,65	,775	, 180	——
3798	—— 8	3	38 18,27	1,996	, 008	——	3	—46 12 18,27	,779	, 215	——
3799	—— D 6.7	3	38 25,91	2,436	, 004	——	3	—31 38 56,92	,789	, 264	——
3800	—— d 6	3	38 30,10	2,142	, 007	—,003	4	—42 3 18,90	,793	, 232	— ,03
3801	Navis 6.7	4	38 30,52	2,308	, 005	——	4	—36 33 4,09	,794	, 249	——
3802	—— 6	3	38 30,58	1,877	, 010	——	3	—49 13 41,72	,794	, 202	——
3803	—— 7.8	3	38 31,19	1,771	, 011	——	3	—51 36 57,30	,794	, 189	——
3804	12 Hydræ 6	6	38 35,02	2,834	, 005	+,019	5	—12 56 55,23	,799	, 311	+ ,01
3805	Navis 7.8	3	38 40,14	1,781	, 011	——	3	—51 24 39,08	,804	, 190	——
3806	Navis 9	3	38 51,19	2,144	, 007	+,024	3	—42 1 32,19	,817	, 232	— ,43
3807	Hydræ 6	6	38 52,83	3,048	, 008	—,010	5	— 1 17 47,96	,819	, 335	+ ,04
3808	Navis 7.8	7	38 54,40	1,710	, 011	——	7	—52 55 45,03	,821	, 181	——
3809	Pix. Naut. 7	3	39 6,01	2,569	, 004	——	3	—26 0 50,34	,834	, 279	——
3810	Navis 8	11	39 9,47	1,954	, 009	——	11	—47 23 21,10	,838	, 209	——
3811	Pix. Naut. 6.7	3	39 14,03	2,440	, 004	——	3	—31 33 54,91	,843	, 264	——
3812	133 Cancri 7	5	39 35,34	3,311	, 014	+,019	4	+13 9 0,17	,865	, 363	— ,05
3813	—— 8	3	39 40,45	3,312	, 014	+,024	2	+13 11 59,43	,871	, 363	,00
3814	13 Hydræ ρ 5	12	39 41,33	3,187	, 011	+,007	11	+ 6 26 32,27	,872	, 349	— ,08
3815	Urs. Maj. b 6	4	39 42,16	5,047	, 095	—,008	4	+62 34 16,57	,873	, 559	— ,01
3816	Navis 8	3	40 3,18	1,737	, 011	——	3	—52 28 53,27	,896	, 184	——
3817	—— δ 3	11	40 8,88	1,656	, 012	——	10	—54 6 22,90	,903	, 175	——
3818	Pix. Naut. 7	3	40 16,40	2,380	, 005	——	3	—34 1 16,92	,911	, 256	——
3819	135 Cancri 6.7	3	40 16,69	3,759	, 028	+,019	3	+33 53 44,68	,911	, 412	— ,08
3820	Navis 6.7	3	40 21,69	2,197	, 006	——	3	—40 31 29,66	,917	, 237	——
3821	Arg. in Vel. α 5	15	40 26,22	2,032	, 008	+,001	9	—45 26 27,65	,922	, 217	,00
3822	Lyncis 8	4	40 35,43	4,213	, 046	+,007	4	+48 10 57,62	,932	, 461	— ,29
3823	Navis 7.8	3	40 38,12	2,162	, 007	——	3	—41 57 53,49	,935	, 231	——
3824	131 Lyncis 6	4	40 50,65	4,069	, 040	+,009	4	+44 20 3,45	,949	, 447	— ,07
3825	Navis 7.8	3	40 53,08	1,978	, 009	——	3	—46 56 53,84	,952	, 211	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3826	Navis 6.7	9	8 40 54,27	+2,039	—,00008	——	9	—45 18 36,00	12,953	—,00218	——
3827	—— 7.8	3	40 55,85	1,747	, 011	——	3	—52 22 15,49	,955	, 185	——
3828	14 Hydræ B 5.6	5	41 4,20	3,021	, 007	,000	5	— 2 50 7,52	,964	, 328	— ,12
3829	Navis 7.8	3	41 11,03	1,431	, 014	——	3	—58 7 25,06	,973	, 153	——
3830	Pix. Naut. 7	3	41 12,88	2,414	, 004	——	3	—32 47 37,00	,975	, 260	——
3831	Cancri 7	6	41 19,25	3,414	, 016	+,013	7	+18 36 41,84	,981	, 369	— ,02
3832	Navis 7	2	41 20,89	1,601	, 012	——	2	—55 15 27,79	,983	, 168	——
3833	Cancri 7	5	41 21,16	3,431	, 017	—,001	4	+19 26 32,10	,983	, 271	— ,04
3834	Navis 6.7	9	41 30,28	2,159	, 007	——	7	—41 50 55,67	,994	, 231	——
3835	Cancri 9	3	41 36,16	3,415	, 016	+,021	2	+18 38 36,20	13,000	, 369	+ ,03
3836	Navis 6.7	3	41 43,35	2,033	, 008	——	3	—45 33 2,97	,008	, 217	——
3837	54 Cancri 6.7	6	41 49,84	3,362	, 015	+,010	3	+15 57 26,62	,016	, 363	— ,09
3838	—— m 7	4	41 56,15	3,374	, 015	+,005	4	+16 36 34,28	,023	, 364	— ,04
3839	Navis 8	3	42 2,62	2,131	, 007	——	3	—42 44 57,63	,030	, 227	——
3840	—— 7	10	42 12,38	2,161	, 007	+,023	8	—41 51 26,30	,041	, 230	,00
3841	Navis 7.8	3	42 17,76	1,802	, 010	——	3	—51 18 52,78	,047	, 191	——
3842	1 Cancri 6	3	42 22,18	3,733	, 027	+,011	4	+33 5 11,61	,051	, 405	— ,03
3843	Urs. Maj. i 6	3	42 23,34	5,271	, 112	+,001	4	+65 13 37,17	,053	, 575	— ,14
3844	Navis f 6	3	42 26,51	1,556	, 013	——	3	—56 9 55,71	,057	, 162	——
3845	Cancri ρ¹ 6.7	3	42 31,47	3,631	, 023	—,024	3	+28 52 20,86	,062	, 393	— ,13
3846	Navis 7.8	3	42 33,97	2,164	, 007	——	3	—41 47 36,46	,064	, 231	——
3847	Pix. Naut. 7.8	6	42 39,73	2,478	, 004	——	6	—30 19 22,94	,071	, 265	——
3848	55 Cancri ρ² 6	5	42 45,47	3,632	, 023	—,027	5	+28 57 20,37	,076	, 393	— ,23
3849	Pix. Naut. 6	4	43 7,56	2,513	, 004	+,018	5	—28 51 8,93	,102	, 268	+ ,01
3850	—— —— 6.7	4	43 9,55	2,432	, 005	+,003	4	—32 10 3,22	,104	, 260	— ,01
3851	Navis 7	3	43 9,80	1,764	, 011	——	3	—52 14 35,01	,104	, 185	——
3852	242 Monocer. 6	3	43 27,83	2,955	, 007	+,008	6	— 6 33 48,75	,124	, 319	+ ,01
3853	Navis 7	9	43 28,77	2,136	, 007	——	6	—42 45 40,68	,125	, 227	+0,6B
3854	3 —— H 7.8	4	43 30,74	2,232	, 006	+,009	2	—39 42 35,03	,127	, 237	,00
3855	Pix. Naut. γ 6	5	43 31,96	2,554	, 004	—,004	6	—27 6 6,93	,128	, 273	— ,01
3856	Navis 7.8	3	43 39,09	2,266	, 006	——	3	—38 31 55,67	,136	, 242	——
3857	—— 7.8	7	43 44,81	2,155	, 007	——	7	—42 12 44,92	,141	, 229	——
3858	Cancri 7	7	43 53,59	3,399	, 016	+,004	5	+17 59 11,55	,152	, 366	— ,11
3859	Navis g 6	3	44 5,58	2,073	, 008	+,003	4	—44 41 47,43	,166	, 219	,00
3860	Cancri ι² 6	4	44 9,63	3,682	, 025	+,013	4	+31 11 54,71	,170	, 396	— ,05
3861	Cancri 8	3	44 28,47	3,449	, 017	—,004	4	+20 35 9,20	,190	, 370	— ,02
3862	—— 7.8	8	44 31,64	3,401	, 016	+,009	5	+18 9 50,69	,193	, 364	— ,05
3863	Navis 7.8	3	44 33,15	2,095	, 007	——	3	—44 6 30,16	,195	, 222	——
3864	Cancri 9	4	44 34,39	3,341	, 015	+,023	4	+15 1 39,96	,196	, 358	— ,02
3865	Navis 7.8	6	44 37,36	2,142	, 007	——	5	—42 41 57,30	,200	, 227	——
3866	Navis 7.8	3	44 56,88	2,285	, 006	——	3	—38 1 3,64	,222	, 243	——
3867	Pix. Naut. 8	3	44 57,08	2,558	, 004	——	3	—27 1 30,76	,222	, 272	——
3868	Navis f 6	3	44 58,05	2,033	, 008	+,033	4	—45 54 53,81	,223	, 214	— ,07
3869	Hydræ 8	4	45 6,70	3,231	, 012	+,021	4	+ 9 2 25,43	,233	, 347	+ ,02
3870	—— 9	4	45 6,98	3,231	, 012	+,007	3	+ 9 2 18,19	,233	, 347	+ ,03

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
3871	157 Cancri	7.8	4	8 45 18,40	+3,337	—,00016	+,004	4	+14 51 49,74	13,246	—,00357	—0,06
3872	Lyncis	7	3	45 19,17	4,125	, 044	+,002	4	+46 23 13,46	,247	, 443	— ,14
3873	Navis	8	3	45 26,84	1,819	, 011	——	3	—51 16 55,27	,255	, 188	——
3874	Lyncis	s 6	3	45 37,67	4,119	, 044	—,014	4	+46 15 29,70	,267	, 442	— ,01
3875	58 Cancri	ρ⁴ 6.7	6	45 45,73	3,616	, 024	+,004	5	+28 33 7,85	,275	, 385	— ,03
3876	Navis	6.7	3	45 49,66	2,219	, 007	——	3	—40 22 8,56	,280	, 231	——
3877	Cancri	7	8	46 4,80	3,394	, 017	+,008	5	+17 51 14,62	,296	, 360	— ,04
3878	Navis	6.7	3	46 11,42	2,346	, 006	——	3	—35 55 33,65	,303	, 246	——
3879	——	7.8	3	46 30,24	2,287	, 007	——	3	—38 6 16,50	,324	, 240	——
3880	162 Cancri	7	3	46 30,42	3,335	, 016	+,003	4	+14 48 24,21	,324	, 356	— ,04
3881	Navis	8.9	7	46 30,66	2,167	, 008	——	6	—42 7 56,94	,324	, 227	——
3882	16 Hydræ	ζ 4	29	46 40,24	3,186	, 012	—,005	29	+ 6 34 7,51	,335	, 340	— ,06
3883	Cancri	σ² 6	5	46 44,67	3,733	, 028	—,002	4	+33 32 23,57	,340	, 302	— ,03
3884	60 ——	α¹ 6	6	46 54,52	3,288	, 014	+,004	5	+12 15 6,65	,351	, 348	— ,02
3885	Navis	7	3	47 13,40	1,974	, 010	——	3	—47 44 18,52	,372	, 205	——
3886	Navis	6.7	3	47 16,32	2,011	, 009	——	3	—46 46 23,76	,375	, 209	——
3887	——	6	3	47 23,87	1,536	, 013	——	3	—57 0 52,10	,384	, 157	——
3888	246 Monocer.	5	3	47 24,39	2,943	, 007	+,013	4	— 7 20 39,59	,384	, 311	— ,03
3889	217 Hydræ	9	4	47 24,61	2,943	, 007	+,019	4	— 7 20 36,64	,385	, 311	— ,08
3890	Cancri	7	4	47 27,15	3,397	, 017	+,015	7	+18 6 34,24	,387	, 359	,00
3891	Urs. Maj.	ρ 6	3	47 32,91	5,568	, 144	—,006	4	+68 15 50,67	,393	, 600	— ,03
3892	Navis	7	3	47 40,84	2,241	, 007	——	3	—39 49 28,49	,401	, 246	——
3893	——	7	3	47 41,35	1,820	, 011	——	3	—51 30 28,23	,402	, 186	——
3894	169 Cancri	7	3	47 51,19	3,390	, 017	—,009	4	+17 46 24,52	,412	, 358	— ,05
3895	9 Urs. Maj.	ι 3.4	12	47 52,48	4,202	, 048	—,034	21	+48 41 1,22	,413	, 446	— ,28
3896	167 Cancri	6	3	47 56,24	3,665	, 026	+,008	4	+30 51 43,47	,417	, 388	+ ,01
3897	62 ——	o¹ 6	4	48 2,44	3,355	, 016	+,020	5	+15 57 1,53	,424	, 353	+ ,04
3898	Navis	6	3	48 19,20	2,011	, 009	——	3	—46 53 45,24	,443	, 209	——
3899	63 Cancri	o² 6	5	48 22,04	3,359	, 016	+,023	3	+16 12 33,88	,446	, 354	+ ,04
3900	Pix. Naut.	7.8	3	48 23,11	2,414	, 006	——	3	—33 30 51,10	,448	, 252	——
3901	Pix. Naut.	δ 6	4	48 27,09	2,564	, 004	+,023	7	—27 3 1,39	,453	, 268	— ,09
3902	Navis	7	3	48 40,63	1,600	, 013	——	3	—56 1 38,99	,466	, 162	——
3903	——	8	3	49 3,75	1,846	, 011	——	3	—51 4 28,08	,491	, 189	——
3904	Cancri	σ³ 5.6	4	49 23,61	3,714	, 028	+,002	4	+33 3 13,37	,514	, 393	— ,06
3905	65 ——	α² 5	14	49 27,44	3,290	, 014	+,009	19	+12 29 30,71	,518	, 345	— ,01
3906	Navis	7	3	49 31,98	2,103	, 009	——	3	—44 24 48,88	,522	, 216	——
3907	Cancri	7	6	49 51,08	3,406	, 017	+,007	5	+18 46 20,73	,542	, 356	— ,10
3908	Lyncis	n 5.6	6	49 54,14	3,973	, 038	—,036	8	+42 25 48,83	,545	, 418	— ,31
3909	Navis	7	3	49 55,88	2,342	, 006	——	3	—36 29 32,17	,547	, 242	——
3910	——	6.7	3	50 1,99	1,382	, 014	——	3	—59 43 37,51	,554	, 140	——
3911	177 Cancri	6.7	3	50 22,12	3,311	, 015	+,012	4	+13 42 33,86	,576	, 347	— ,17
3912	Navis	9	1	50 40,63	2,166	, 008	——	4	—42 37 23,13	,595	, 223	——
3913	——	7.8	3	50 43,86	1,859	, 011	——	3	—50 57 28,58	,598	, 190	——
3914	——	6.7	7	50 44,04	1,521	, 013	——	6	—57 36 39,30	,598	, 154	——
3915	250 Monocer.	6	4	50 59,43	2,799	, 005	+,032	4	—15 30 27,28	,615	, 292	+ ,12

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M
			h. m. s.	s	s	s		° ′ ″	″	″	″
3916	Cancri σ^4 6	3	8 51 16,04	+3,705	—,00028	+,011	4	+32 53 29,34	13,633	—,00388	,000
3917	Navis C 5.6	3	51 18,19	1,371	, 015	——	3	—60 0 57,30	,635	, 139	——
3918	——— H 6	3	51 20,35	1,812	, 012	——	3	—52 5 30,64	,637	, 184	——
3919	——— 8	3	51 35,70	2,137	, 009	——	3	—43 37 53,54	,653	, 219	——
3920	Hydræ 9	4	51 37,05	3,038	, 008	+,008	4	— 1 54 36,71	,654	, 316	,000
3921	Navis 7.8	3	51 37,88	1,942	, 011	——	3	—49 2 51,00	,655	, 200	——
3922	——— 8.9	7	51 54,99	1,337	, 015	——	7	—60 34 26,43	,674	, 137	——
3923	Cancri ρ^5 6.7	4	51 57,71	3,603	, 024	—,001	4	+28 32 49,07	,678	, 374	— ,17
3924	Pix. Naut. 6.7	3	52 15,64	2,548	, 005	——	3	—28 10 8,69	,697	, 262	——
3925	Urs. Maj. κ 4.5	13	52 19,58	4,148	, 048	—,006	18	+47 48 9,95	,701	, 434	— ,06
3926	Cancri p 7	5	52 27,51	3,383	, 017	+,003	4	+17 43 22,25	,710	, 352	— ,08
3927	Navis 6	3	52 27,75	1,989	, 010	——	3	—47 56 14,25	,710	, 202	——
3928	65 Hydræ 6.7	5	52 48,52	3,178	, 012	+,016	4	+ 6 16 58,70	,732	, 329	— ,06
3929	——— 9	4	52 55,68	3,038	, 008	—,005	4	— 1 55 2,40	,740	, 315	— ,01
3930	Arg. in Car. b^1 5	12	52 56,19	1,475	, 014	——	11	—58 35 40,30	,741	, 148	——
3931	Navis 8	3	53 1,11	1,476	, 014	——	3	—58 35 27,36	,745	, 148	——
3932	59 Cancri ν 6	8	53 4,93	3,527	, 022	+,013	5	+25 5 48,24	,749	, 365	— ,08
3933	Hydræ 8.9	3	53 6,51	3,178	, 012	+,021	4	+ 6 17 42,94	,751	, 329	— ,04
3934	Navis 7.8	7	53 13,51	1,927	, 011	——	7	—49 36 46,67	,759	, 196	——
3935	Hydræ 8	4	53 14,96	3,057	, 009	+,018	4	— 0 49 59,00	,760	, 316	— ,10
3936	Navis 5.6	3	53 16,78	2,042	, 009	——	3	—46 35 54,22	,762	, 208	——
3937	Urs. Maj. σ^1 6	3	53 47,88	5,418	, 139	+,003	4	+67 31 39,86	,795	, 568	— ,14
3938	Navis 7.8	7	53 51,25	2,007	, 010	——	7	—47 39 1,34	,798	, 203	——
3939	Hydræ 8.9	3	53 53,24	2,939	, 007	+,012	4	— 7 43 38,87	,800	, 302	— ,05
3940	428 Navis 6	4	53 56,21	2,239	, 007	—,007	4	—40 36 53,19	,804	, 228	— ,10
3941	Navis 8.9	3	54 10,04	1,737	, 012	——	3	—53 59 43,00	,819	, 173	——
3942	Cancri 9	8	54 11,29	3,328	, 016	+,045	8	+14 49 51,34	,820	, 343	— ,08
3943	Navis 6.7	3	54 19,02	2,320	, 007	——	3	—37 46 37,81	,828	, 236	——
3944	Cancri ρ 8	2	54 19,04	3,598	, 024	+,010	4	+28 32 45,32	,828	, 372	— ,06
3945	Navis 7	3	54 22,35	2,183	, 008	——	3	—42 31 53,64	,831	, 221	——
3946	Navis 7.8	3	54 35,69	1,882	, 011	——	3	—50 51 48,61	,845	, 189	——
3947	——— 7	3	54 37,41	1,961	, 011	——	3	—48 54 58,25	,846	, 198	——
3948	——— 6.7	4	55 13,96	2,224	, 007	——	4	—41 13 9,83	,885	, 225	——
3949	Arg. in Car. b^2 5	17	55 21,15	1,500	, 013	——	12	—58 27 15,13	,892	, 147	——
3950	Lyncis 9.10	1	55 21,35	3,855	, 034	—,020	1	+39 5 41,87	,893	, 397	+ ,14
3951	Navis 7.8	3	55 27,77	1,884	, 011	——	3	—50 54 40,83	,899	, 189	——
3952	——— 8	8	55 36,30	1,932	, 011	——	7	—49 47 29,87	,908	, 194	——
3953	189 Cancri 7	3	55 38,68	3,267	, 014	+,015	4	+11 30 4,43	,910	, 334	— ,09
3954	Urs. Maj. σ^2 6	3	55 46,06	5,430	, 142	+,006	4	+67 47 46,37	,919	, 563	— ,03
3955	Navis 7.8	7	55 47,43	2,298	, 007	——	7	—38 45 24,06	,920	, 233	——
3956	Monocer. 8	3	55 49,66	2,835	, 005	+,010	3	—13 47 19,73	,922	, 289	+ ,09
3957	Pix. Naut. 7	3	55 55,64	2,625	, 004	——	3	—24 51 19,05	,928	, 267	——
3958	Lyncis 6	12	56 0,69	3,853	, 034	+,006	10	+39 6 21,77	,934	, 396	— ,09
3959	Navis 7.8	6	56 7,15	1,968	, 010	——	5	—48 55 56,90	,941	, 197	——
3960	191 Cancri 7	3	56 29,44	3,384	, 017	—,011	4	+18 2 34,67	,965	, 345	— ,07

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
3961	Navis 7.8	3	8 56 31,39	+2,205	—,00008	——	3	—42 3 28,63	13,966	—,00222	——
3962	—— 6.7	3	56 37,93	1,863	, 011	——	3	—51 32 30,51	,973	, 184	——
3963	—— 6.7	3	56 58,18	1,390	, 011	——	3	—60 19 3,84	,995	, 150	——
3964	Urs. Maj. F 6	7	57 11,27	4,308	, 059	—,006	7	+52 15 51,27	14,009	, 444	— ,05
3965	195 Cancri 7	3	57 11,77	3,344	, 016	+,009	4	+15 55 47,24	,010	, 340	— ,06
3966	Urs. Maj. τ 5.6	4	57 13,66	5,049	, 108	+,014	4	+64 10 38,38	,012	, 513	— ,10
3967	18 Hydræ ω 6	8	57 17,16	3,167	, 012	+,011	5	+ 5 44 49,34	,015	, 323	— ,05
3968	Cancri 7	4	57 35,94	3,342	, 016	+,010	4	+15 52 26,63	,033	, 339	— ,12
3969	Navis 7	3	57 45,40	1,971	, 011	——	3	—49 2 46,50	,043	, 197	——
3970	Cancri τ 6	3	58 4,81	3,628	, 026	+,006	4	+30 18 44,24	,064	, 370	— ,02
3971	Arg. in Vel. c 6	27	58 28,13	2,070	, 010	——	13	—46 26 38,02	,088	, 206	——
3972	Cancri 6	4	58 42,33	3,724	, 031	+,002	1	+34 32 51,37	,102	, 379	— ,14
3973	76 —— κ 5.6	6	58 48,51	3,261	, 014	—,004	6	+11 19 40,30	,108	, 329	+ ,04
3974	74 —— 9	7	59 0,59	3,332	, 016	+,019	8	+15 22 18,37	,122	, 336	— ,05
3975	75 —— 6.7	5	59 3,90	3,561	, 023	—,004	5	+27 18 25,27	,125	, 361	— ,37
3976	Navis 7	7	59 6,65	2,082	, 010	——	7	—46 9 42,03	,128	, 207	——
3977	—— 7.8	3	59 21,91	1,864	, 012	——	3	—51 51 4,52	,144	, 183	——
3978	—— 8	3	59 38,24	1,312	, 016	——	3	—61 42 0,41	,160	, 140	——
3979	Hydræ 8.9	4	59 40,57	3,041	, 008	+,010	4	— 1 48 51,34	,162	, 307	,00
3980	78 Cancri 7	10	59 46,87	3,381	, 017	+,012	5	+18 8 0,46	,168	, 340	— ,10
3981	Pis. Vol. a 5	7	59 49,61	0,971	, 020	——	10	—65 44 17,02	,171	, 105	——
3982	79 Cancri 6	6	59 51,71	3,466	, 020	+,018	4	+22 39 42,90	,173	, 349	— ,08
3983	77 —— ξ 5.6	7	59 51,75	3,467	, 020	+,006	5	+22 42 29,85	,173	, 349	— ,03
3984	Navis 8	3	59 55,47	1,685	, 013	——	3	—55 41 6,36	,177	, 166	——
3985	—— 8.9	3	9 0 7,94	1,959	, 011	——	3	—49 37 44,27	,191	, 194	——
3986	Navis 8.9	3	0 18,66	1,966	, 011	——	3	—49 29 10,73	,202	, 194	——
3987	—— 7	3	0 24,08	1,606	, 013	——	3	—57 11 46,43	,207	, 157	——
3988	—— 8.9	4	0 35,33	2,197	, 009	,000	4	—42 50 23,91	,219	, 216	+ ,06
3989	Hydræ L¹ 6	9	0 37,80	2,940	, 006	+,016	10	— 7 55 33,54	,222	, 295	— ,01
3990	209 Cancri 6.7	6	0 47,97	3,275	, 014	+,001	4	+12 13 53,99	,232	, 327	— ,07
3991	Pix. Naut. 5.6	11	0 48,27	2,628	, 004	+,006	3	—25 11 44,07	,232	, 262	+ ,07
3992	Navis 7.8	3	0 55,95	2,051	, 010	——	3	—47 15 34,17	,240	, 202	——
3993	Urs. Maj. c 6	3	1 13,72	4,847	, 096	+,016	4	+62 5 44,75	,259	, 490	— ,03
3994	Pix. Naut. 7	4	1 26,84	2,630	, 004	+,001	3	—25 10 29,09	,272	, 262	— ,01
3995	20 Hydræ L² 6	4	1 31,71	2,937	, 007	+,013	4	— 8 7 16,51	,277	, 295	+ ,01
3996	Pix. Naut. 7	3	1 32,97	2,611	, 004	——	3	—26 6 13,35	,278	, 259	——
3997	Navis 8	3	1 34,90	1,875	, 010	——	3	—51 52 8,41	,280	, 182	——
3998	—— 7	3	1 35,88	2,371	, 007	——	3	—36 41 45,44	,281	, 234	——
3999	—— 7	3	1 45,19	2,166	, 009	——	3	—43 58 9,31	,290	, 212	——
4000	—— λ 3.4	12	1 56,24	2,204	, 009	+,005	10	—42 46 11,90	,302	, 216	— ,13
4001	Navis 8	3	2 9,66	1,539	, 013	——	3	—58 32 39,92	,316	, 149	——
4002	Pix. Naut. 8	4	2 31,55	2,632	, 004	+,018	4	—25 8 10,69	,338	, 261	,00
4003	211 Cancri 6.7	3	2 40,27	3,388	, 018	—,006	3	+18 42 57,13	,346	, 337	+ ,02
4004	Navis 6.7	3	2 48,16	1,644	, 012	——	3	—56 48 3,03	,355	, 158	——
4005	—— 7.8	3	2 48,29	1,479	, 013	——	3	—59 35 52,29	,355	, 143	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4006	Navis 7	6	9 2 56,37	+1,936	—,00010	—	6	—50 32 56,73	14,363	—,00189	—
4007	Pix. Naut. ε 6	5	2 57,27	2,539	, 005	+,010	7	—29 41 44,27	,364	, 250	— ,03
4008	Lyncis o 6	4	2 58,94	3,969	, 043	+,005	4	+43 53 31,78	,366	, 397	— ,11
4009	Navis 7.8	5	3 5,76	1,804	, 011	—	5	—53 37 39,35	,373	, 174	—
4010	——— 7.8	5	3 10,36	1,550	, 012	—	4	—58 29 8,40	,378	, 149	—
4011	81 Cancri π¹ 6.7	11	3 15,40	3,332	, 016	—,039	5	+15 39 21,60	,383	, 329	+ ,11
4012	Navis 8	5	3 25,78	1,550	, 012	—	5	—58 31 10,93	,393	, 149	—
4013	Urs. Maj. B 6	4	3 32,84	4,527	, 076	—,003	4	+57 25 8,61	,400	, 456	— ,09
4014	Hydræ 7	3	3 42,06	2,968	, 007	+,006	2	— 6 18 30,41	,409	, 296	— ,09
4015	Cancri 6	5	4 11,13	3,445	, 020	—	5	+21 57 30,38	,439	, 341	—
4016	Navis 7	3	4 12,57	2,013	, 010	—	3	—48 45 11,80	,441	, 197	—
4017	18 Urs. Maj. e 5	11	4 15,91	4,381	, 068	+,007	11	+54 41 48,74	,444	, 441	+ ,02
4018	Hydræ 8	4	4 16,34	2,969	, 007	+,020	4	— 6 15 26,30	,445	, 295	— ,07
4019	21 ——— K¹ 6	5	4 16,97	2,967	, 007	+,007	5	— 6 26 16,61	,445	, 295	— ,07
4020	Monocer. 7	4	4 25,67	2,750	, 003	+,011	4	—19 4 36,76	,454	, 271	+ ,03
4021	Navis 6.7	3	4 32,95	2,019	, 009	—	3	—48 37 11,98	,462	, 196	—
4022	Arg. in Car. G 5	9	4 40,17	0,231	, 058	—	10	—71 56 21,98	,469	, 024	—
4023	Navis 6.7	1	4 43,83	1,911	, 010	—	1	—51 24 53,81	,473	, 183	—
4024	Hydræ 9	1	4 47,05	3,144	, 011	+,019	3	+ 4 29 58,37	,476	, 310	— ,01
4025	Cancri 9	5	4 50,52	3,516	, 011	+,015	3	+25 41 26,88	,480	, 348	— ,03
4026	Navis 7.8	6	4 50,86	2,220	, 009	—	4	—42 35 36,91	,480	, 215	—
4027	——— 7	7	5 0,11	1,556	, 012	—	7	—58 36 5,19	,489	, 148	—
4028	——— 8	6	5 0,94	2,221	, 009	—	5	—42 35 51,85	,490	, 215	—
4029	150 Lyncis 6	4	5 4,34	3,726	, 031	+,024	4	+35 18 31,65	,493	, 370	— ,04
4030	445 Navis 6	3	5 5,65	2,172	, 008	+,004	4	—44 11 44,55	,494	, 210	— ,16
4031	Hydræ 7.8	4	5 11,40	2,828	, 005	+,009	4	—14 44 39,55	,500	, 278	+ ,07
4032	Navis 6	3	5 15,90	2,334	, 006	—	3	—38 35 9,25	,505	, 227	—
4033	——— 6.7	4	5 43,44	2,120	, 009	—	4	—45 54 36,65	,533	, 205	—
4034	22 Hydræ θ 4.5	16	5 46,70	3,119	, 010	+,019	19	+ 3 0 23,93	,536	, 306	— ,28
4035	Pix. Naut. 7	3	5 58,35	2,531	, 004	—	3	—30 23 23,93	,548	, 246	—
4036	82 Cancri π² 6	7	6 6,80	3,328	, 016	+,004	5	+15 37 17,42	,557	, 325	— ,06
4037	Hydræ 8	4	6 14,57	2,842	, 005	+,007	4	—14 0 57,66	,565	, 279	— ,02
4038	Navis 6.7	3	6 20,13	2,147	, 008	—	3	—45 10 19,72	,570	, 206	—
4039	——— 6.7	3	6 24,54	2,216	, 008	—	3	—42 56 15,60	,574	, 213	—
4040	59 Urs. Maj. 6	4	6 24,62	4,074	, 048	—,004	4	+47 29 56,63	,574	, 401	— ,01
4041	Hydræ 8	4	6 28,61	3,009	, 008	+,014	4	— 3 51 36,15	,578	, 295	— ,11
4042	Arg. in Car. a 5	11	6 37,73	1,585	, 012	—	14	—58 17 35,03	,588	, 150	—
4043	Hydræ 7	6	6 48,10	2,941	, 007	+,008	4	— 8 4 39,74	,598	, 288	— ,10
4044	Navis 7.8	3	6 56,65	2,357	, 006	+,014	4	—37 56 16,87	,606	, 227	— ,06
4045	——— 6.7	3	7 1,95	1,644	, 012	—	3	—57 17 36,25	,612	, 154	—
4046	Navis 6	3	7 5,71	2,258	, 007	—	3	—41 35 52,37	,616	, 217	—
4047	Cancri 8	4	7 10,90	3,395	, 018	+,001	4	+19 29 36,78	,621	, 334	,00
4048	Hydræ 7	2	7 27,96	2,941	, 007	—,001	4	— 8 3 34,35	,638	, 287	+ ,02
4049	Arg. in Car. i 5	13	7 31,21	1,378	, 014	—	18	—61 38 28,27	,642	, 140	—
4050	60 Urs. Maj. 7	3	7 47,52	4,682	, 088	+,013	4	+60 28 11,71	,658	, 476	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4051	Navis 7	3	9 7 47,60	+2,104	—,00009	——	3	—46 39 33,68	14,658	—,00202	——
4052	—— 7.8	3	8 0,69	1,868	, 011	——	3	—52 49 33,63	,671	, 176	——
4053	—— 6.7	3	8 4,13	2,207	, 008	——	3	—43 27 55,94	,674	, 211	——
4054	—— 7	3	8 6,06	2,426	, 006	——	3	—35 16 51,08	,676	, 233	——
4055	—— z 6.7	3	8 15,62	2,235	, 008	+,008	3	—42 32 49,50	,686	, 213	— ,04
4056	Navis k¹ 6	4	8 22,65	2,387	, 006	+,002	4	—36 55 11,03	,693	, 229	— ,02
4057	23 Hydræ K² 6	6	8 30,12	2,981	, 007	+,004	5	— 5 40 6,60	,700	, 288	,00
4058	38 Lyncis p 4	11	8 33,30	3,769	, 034	+,031	13	+37 29 43,86	,703	, 366	— ,21
4059	Navis 7	3	8 35,96	2,229	, 007	——	3	—42 47 5,11	,706	, 212	——
4060	24 Hydræ 6	6	8 36,05	2,942	, 006	—,011	5	— 8 3 35,04	,706	, 286	— ,02
4061	Navis 6	6	8 36,60	1,573	, 012	——	6	—58 44 5,26	,707	, 146	——
4062	Pix. Naut. 6.7	3	8 43,61	2,489	, 005	——	3	—32 38 20,26	,713	, 238	——
4063	63 Urs. Maj. 6.7	3	8 50,71	4,283	, 062	+,015	4	+53 8 25,15	,720	, 417	— ,04
4064	Leonis 7	6	8 53,86	3,267	, 014	+,007	5	+12 11 16,88	,723	, 312	— ,04
4065	Pix. Naut. 7.8	4	9 1,54	2,584	, 004	——	4	—28 12 7,25	,731	, 248	——
4066	Arg. in Vel. l 5	12	9 7,01	2,365	, 005	+,008	4	—37 53 9,85	,736	, 226	+ ,10
4067	Navis k² 6	3	9 9,34	2,394	, 005	+,012	4	—36 43 44,13	,738	, 229	— ,02
4068	64 Urs. Maj. 6.7	4	9 13,94	4,229	, 059	—,003	7	+51 57 0,23	,743	, 412	+ ,10
4069	Navis 7	3	9 16,84	2,169	, 008	——	3	—44 52 18,31	,746	, 206	——
4070	—— 7.8	1	9 17,48	2,388	, 005	+,015	1	—36 56 44,47	,746	, 229	— ,01
4071	Hydræ 7	4	9 18,41	2,847	, 005	+,916	4	—13 53 16,86	,747	, 274	—, 03
4072	Navis 6	6	9 24,84	1,783	, 010	——	6	—54 53 17,61	,754	, 165	——
4073	Hydræ M¹ 7	2	9 32,73	2,891	, 005	—,002	4	—11 16 21,84	,762	, 277	— ,08
4074	155 Lyncis 7	3	9 33,48	4,229	, 059	+,003	2	+51 59 26,27	,763	, 410	+ ,07
4075	2 Leonis 6.7	7	9 35,62	3,531	, 024	+,001	7	+26 56 32,02	,765	, 340	— ,10
4076	83 Cancri q 6	8	9 45,84	3,372	, 017	—001,	5	+18 24 1,17	,774	, 323	— ,22
4077	Navis 6.7	3	10 17,70	2,212	, 007	——	3	—43 34 45,63	,806	, 215	——
4078	Leonis 8.9	4	10 21,58	3,548	, 024	—,011	4	+27 51 23,96	,810	, 342	— ,03
4079	Navis 6.7	3	10 29,38	2,348	, 006	——	3	—38 42 43,66	,818	, 223	——
4080	224 Cancri 7	3	10 37,88	3,238	, 014	+,003	4	+10 28 51,37	,825	, 307	— ,02
4081	Navis 6.7	3	10 46,57	1,647	, 011	——	3	—57 42 9,65	,834	, 152	——
4082	—— 7	3	10 55,89	1,692	, 011	——	3	—56 53 28,37	,843	, 155	——
4083	—— 7	3	10 55,91	2,193	, 007	——	3	—44 19 25,48	,843	, 207	——
4084	40 Lyncis r 4.5	13	10 59,04	3,702	, 031	—,016	15	+35 5 6,62	,846	, 355	— ,07
4085	Navis 7	3	11 2,82	2,041	, 009	——	3	—48 53 27,05	,850	, 192	——
4086	Hydræ 7.8	3	11 10,67	3,164	, 007	+,012	4	+ 5 54 33,43	,858	, 300	+ ,03
4087	37 Urs. Maj. 7	4	11 14,58	4,150	, 053	+,014	4	+50 14 26,28	,862	, 398	— ,12
4088	226 Cancri 7	4	11 20,31	3,394	, 018	+,015	4	+19 47 4,71	,868	, 325	— ,01
4089	Navis β 2	15	11 21,73	0,728	, 035	——	5	—69 2 17,08	,869	, 073	——
4090	—— g 5.6	3	11 32,68	1,698	, 011	——	3	—56 51 10,19	,879	, 156	——
4091	Leonis 7	13	11 33,98	3,506	, 023	——	9	+25 51 52,73	,880	, 336	——
4092	Hydræ 6.7	3	11 46,02	2,829	, 004	+,017	4	—15 8 22,03	,892	, 271	— ,06
4093	26 —— M² 5.6	5	11 49,74	2,892	, 005	+.011	5	—11 16 55,64	,896	, 277	— ,03
4094	Navis 7	6	12 0,38	2,178	, 008	——	5	—44 56 43,21	,906	, 205	——
4095	Hydræ 7	4	12 8,64	3,085	, 009	+,015	4	+ 0 52 37,63	,914	, 294	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4096	Leonis 7.8	4	9 12 17,78	+3,291	—,00015	+,018	4	+13 48 38,62	14,923	—,00311	—0,07
4097	Hydræ 7	4	12 18,02	2,931	, 006	+,013	4	— 8 54 50,66	,923	, 278	— ,04
4098	68 Urs. Maj. 6.7	3	12 21,35	4,956	, 113	—,010	4	+64 38 38,51	,926	, 478	— ,05
4099	27 Hydræ 5.6	5	12 25,77	2,932	, 006	+,008	5	— 8 51 35,15	,930	, 278	— ,15
4100	Navis K 6.7	3	12 36,65	1,994	, 009	——	3	—50 21 35,18	,941	, 185	——
4101	Navis ι 2	22	12 40,59	1,611	, 011	——	15	—58 35 7,61	,945	, 147	——
4102	Draconis 5	10	12 55,36	9,449	, 824	—,055	10	+82 3 0,22	,959	, 900	+ ,56
4103	Pix. Naut. 7.8	3	12 58,23	2,484	, 005	——	3	—33 24 29,27	,962	, 233	——
4104	Hydræ 8.9	6	13 7,21	2,834	, 004	+,018	5	—14 55 0,27	,971	, 267	— ,13
4105	Navis 8	3	13 15,77	2,108	, 007	——	3	—47 16 58,58	,980	, 195	——
4106	Pix. Naut. k 6	4	13 45,50	2,537	, 004	—,001	3	—31 3 45,23	15,008	, 235	+ ,05
4107	Navis 6.7	1	13 52,36	2,406	, 004	——	1	—36 52 58,29	,014	, 223	——
4108	73 Urs. Maj. 7	4	13 53,52	4,324	, 069	+,004	4	+54 43 11,81	,015	, 410	— ,09
4109	10 Leo. Min. 7.8	3	13 58,15	3,501	, 023	—,007	1	+25 53 0,39	,020	, 331	— ,03
4110	Navis 7.8	3	14 6,76	2,146	, 007	——	3	—46 15 17,49	,029	, 198	——
4111	Navis 7	6	14 11,14	2,202	, 006	——	7	—44 28 35,03	,033	, 204	——
4112	Pix. Naut. θ 5	14	14 11,68	2,653	, 003	+,012	7	—25 15 59,20	,033	, 247	+ ,15
4113	Navis 7	3	14 30,85	1,832	, 009	——	3	—54 29 25,75	,052	, 165	——
4114	Leo. Min. 6.7	3	14 30,86	3,514	, 024	+,014	4	+26 37 20,76	,052	, 331	— ,03
4115	Hydræ 9	2	14 39,00	3,136	, 011	+,010	—	+ 4 12 ——	,060	, 293	——
4116	Hydræ 7	8	14 40,11	3,136	, 011	+,003	12	+ 4 12 6,85	,061	, 293	— ,04
4117	112 —— 6.7	3	14 42,56	3,202	, 013	—,007	4	+ 8 25 1,83	,063	, 299	— ,10
4118	—— 6.7	4	14 48,02	2,929	, 006	+,001	4	— 9 8 13,52	,068	, 273	— ,07
4119	—— 7	6	14 59,46	3,162	, 012	+,022	5	+ 5 55 21,60	,079	, 295	+ ,01
4120	1 Leonis. κ 5	10	15 1,96	3,518	, 024	+,002	10	+26 53 16,43	,082	, 331	— ,08
4121	Navis 8	3	15 4,99	1,833	, 009	——	3	—54 33 21,03	,085	, 164	——
4122	Leonis. 7	10	15 27,62	3,400	, 018	——	7	+20 29 42,93	,107	, 318	——
4123	Navis 6.7	3	15 31,15	2,293	, 006	——	3	—41 29 32,57	,110	, 211	——
4124	Hydræ 9.10	3	15 40,32	3,000	, 008	—,006	4	— 4 39 28,92	,119	, 279	+ ,02
4125	Urs. Maj. 8.9	4	15 57,70	4,062	, 050	—,002	4	+48 28 49,15	,136	, 382	— ,07
4126	Pix. Naut. λ 5.6	5	16 4,30	2,602	, 003	+,005	5	—28 7 53,80	,142	, 239	+ ,02
4127	Navis 6.7	3	16 23,03	2,185	, 006	——	3	—45 20 44,84	,161	, 200	——
4128	Leonis. 7	6	16 23,19	3,344	, 017	,000	5	+17 17 34,42	,161	, 310	— ,05
4129	Navis 8.9	3	16 23,39	1,834	, 009	——	3	—54 42 0,96	,161	, 164	——
4130	—— 7.8	3	16 30,41	1,473	, 013	——	3	—61 17 34,16	,167	, 130	——
4131	Hydræ 9	3	16 44,44	3,148	, 011	+,004	4	+ 4 59 33,57	,180	, 291	+ ,07
4132	Navis 6.7	3	16 49,52	1,832	, 009	——	3	—54 48 55,58	,185	, 164	——
4133	—— k 6	3	16 59,14	1,450	, 014	——	3	—61 42 10,93	,194	, 130	——
4134	—— κ 3	10	17 0,65	1,856	, 008	——	7	—54 18 32,10	,196	, 166	——
4135	—— 7	3	17 7,70	2,413	, 005	——	3	—37 3 8,52	,203	, 220	——
4136	28 Hydræ A 6	5	17 9,21	3,004	, 008	+,006	5	— 4 24 36,19	,205	, 277	— ,11
4137	—— 9	3	17 15,59	2,984	, 007	+,009	4	— 5 41 47,05	,210	, 276	— ,05
4138	Navis 8	3	17 18,99	1,554	, 010	——	3	—60 7 40,56	,213	, 149	——
4139	Leonis 8	3	17 28,21	3,344	, 017	+,017	4	+17 24 30,17	,222	, 310	+ ,02
4140	Navis 6.7	3	17 35,51	2,119	, 006	——	3	—47 34 53,89	,229	, 198	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4141	Navis 6.7	3	9 17 42,31	+2,163	—,00006	——	3	—46 12 11,01	15,235	—,00196	——
4142	—— 7.8	3	17 44,23	2,374	, 004	——	3	—38 43 3,00	,237	, 215	——
4143	—— 7	4	17 46,30	1,951	, 008	——	4	—52 10 50,35	,239	, 175	——
4144	75 Urs. Maj. 6	3	17 49,12	3,981	, 046	+,011	4	+46 19 8,76	,242	, 379	— ,13
4145	Leonis 7.8	3	17 53,52	3,304	, 016	+,006	4	+15 0 54,77	,245	, 302	— ,14
4146	121 Hydræ 6.7	3	17 58,19	3,060	, 009	+,002	4	— 0 45 15,18	,250	, 281	— ,08
4147	Pix. Naut. 8	7	18 8,98	2,604	, 003	——	7	—28 16 14,45	,260	, 236	——
4148	Navis 8	3	18 10,74	2,257	, 005	——	3	—43 10 33,63	,262	, 204	——
4149	23 Urs. Maj. h 4	15	18 26,05	4,831	, 109	+,029	13	+63 46 37,59	,276	, 451	— ,02
4150	Navis 6.7	3	18 28,69	2,000	, 007	——	3	—51 1 48,83	,278	, 180	——
4151	Navis 7	3	18 55,36	2,258	, 005	——	3	—43 16 8,64	,304	, 204	——
4152	Pix. Naut. 7	3	19 4,06	2,586	, 003	——	3	—29 19 25,48	,313	, 232	——
4153	77 Urs. Maj. 6	4	19 8,59	5,883	, 216	+,021	4	+72 55 49,61	,317	, 560	— ,12
4154	122 Hydræ 6.7	3	19 9,93	2,942	, 006	+,015	4	— 8 30 40,57	,318	, 268	— ,09
4155	30 —— a 2	91	19 28,85	2,951	, 006	+,009	118	— 7 56 49,13	,336	, 268	+ ,01
4156	Pix. Naut. 6.7	3	19 33,90	2,611	, 003	——	3	—28 4 32,34	,341	, 234	——
4157	2 Leonis ω 6.7	4	19 36,98	3,219	, 005	+,019	5	+ 9 46 17,35	,344	, 294	— ,08
4158	Pix. Naut. 7.8	3	19 41,34	2,508	, 003	——	3	—33 11 0,24	,347	, 224	——
4159	3 Leonis 6.7	7	19 41,79	3,206	, 006	+,007	5	+ 8 54 13,21	,348	, 292	— ,15
4160	24 Urs. Maj. d 5	13	19 44,54	5,508	, 172	—,044	5	+70 32 54,05	,351	, 520	,00
4161	Navis 7	10	19 54,91	1,520	, 011	——	10	—60 56 13,56	,360	, 133	——
4162	478 —— 6.7	3	19 59,08	2,355	, 003	—,003	4	—39 47 24,10	,364	, 211	,00
4163	—— 7	3	20 2,99	2,310	, 003	——	3	—41 32 19,92	,368	, 207	——
4164	—— 7	3	20 6,13	1,899	, 007	——	3	—53 45 10,72	,371	, 167	——
4165	—— 7	3	20 13,84	2,149	, 005	——	3	—47 2 47,57	,378	, 193	——
4166	Navis 7.8	3	20 27,92	2,256	, 004	——	3	—43 31 36,53	,391	, 203	——
4167	—— 7.8	3	20 39,46	1,929	, 007	——	3	—53 7 39,51	,402	, 170	——
4168	17 Leo. Min. 6	3	20 43,79	3,657	, 030	+,009	4	+34 22 34,21	,406	, 334	— ,12
4169	31 Hydræ r¹ 5.6	6	20 46,52	3,040	, 008	+,029	5	— 2 3 5,40	,409	, 275	— ,08
4170	—— 8.9	3	20 46,57	3,041	, 008	+,021	2	— 2 2 0,69	,409	, 275	— ,06
4171	Antl. Pneum. 7	6	20 47,98	2,487	, 003	——	6	—34 17 30,20	,410	, 222	——
4172	Navis 7.8	6	20 52,02	2,034	, 006	——	6	—50 27 39,97	,414	, 182	——
4173	—— 6	3	20 56,37	1,949	, 007	——	3	—52 39 55,89	,417	, 172	——
4174	126 Hydræ 6.7	3	21 2,67	3,049	, 008	+,006	4	— 1 29 16,60	,424	, 276	— ,01
4175	Navis 7.8	5	21 9,07	2,123	, 006	——	5	—47 58 44,83	,430	, 186	——
4176	Navis 7	3	21 20,58	1,516	, 011	——	3	—61 14 24,41	,440	, 134	——
4177	Leo. Min. α 6	3	21 28,71	3,687	, 032	—,005	4	+35 49 40,89	,448	, 338	— ,15
4178	Navis 7	3	21 38,01	1,914	, 007	——	3	—53 38 14,06	,457	, 168	——
4179	Urs. Maj. var.	4	21 40,51	5,832	, 212	—,001	1	+72 48 44,16	,459	, 540	— ,13
4180	25 —— —— θ 3	7	21 46,63	4,178	, 062	—,096	8	+52 25 28,04	,465	, 382	— ,53
4181	Urs. Maj. 7	3	22 0,38	4,090	, 054	+,022	4	+50 9 38,49	,477	, 371	— ,08
4182	Navis 7	4	22 13,00	1,665	, 008	——	4	—58 51 49,31	,489	, 147	——
4183	4 Leonis λ 4.5	11	22 17,84	3,443	, 022	+,005	7	+23 41 29,39	,494	, 310	— ,08
4184	Pix. Naut. 7	3	22 22,48	2,659	, 003	+,004	4	—25 52 24,70	,498	, 236	— ,05
4185	Navis 8	3	22 25,96	2,229	, 004	——	3	—44 46 46,78	,501	, 198	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4186	Antl. Pneum. ε 6	3	9 22 26,59	+2,472	—,00002	+,002	4	—35 13 58,77	15,501	—,00218	—0,15
4187	Navis] 8	3	22 31,57	2,229	, 004	——	3	—44 46 56,01	,506	, 196	——
4188	—— 7.8	3	22 35,17	1,954	, 006	——	3	—52 47 57,95	,509	, 170	——
4189	Pix. Naut. υ 6	4	22 35,64	2,660	, 003	+,004	4	—25 52 10,54	,510	, 234	+ ,03
4190	Hydræ 8.9	4	22 41,08	2,998	, 008	+,012	3	— 4 56 32,37	,515	, 267	+ ,05
4191	5 Leonis ξ 5	12	23 2,80	3,252	, 015	—,004	14	+12 1 35,65	,536	, 289	— ,12
4192	6 —— h 6	9	23 6,59	3,227	, 014	+,011	5	+10 26 21,47	,539	, 287	— ,07
4193	Arg. in Car. n 5	13	23 9,34	1,321	, 016	——	9	—64 12 57,68	,542	, 119	+ 0,71
4194	19 Leo, Min. 6	2	23 21,40	3,712	, 033	+,005	4	+37 12 47,32	,552	, 332	+ ,16
4195	Urs. Maj. F 5.6	3	23 28,46	4,182	, 063	—,005	4	+52 46 48,57	,559	, 377	— ,07
4196	32 Hydræ r² 6	7	23 34,24	3,065	, 009	+,011	6	— 0 27 38,52	,564	, 273	— ,03
4197	Navis 7	3	23 34,74	2,278	, 003	——	3	—43 14 16,96	,565	, 199	——
4198	Leonis 5	4	23 37,72	3,540	, 026	—,004	5	+29 5 41,33	,568	, 316	— ,01
4199	Navis 8	8	23 40,69	2,135	, 004	——	7	—47 59 35,49	,571	, 187	——
4200	Antl. Pneum. ζ¹ 6.7	7	23 42,35	2,561	, 003	+,005	4	—31 9 56,97	,572	, 224	+ ,13
4201	10 Leo. Min. b 5	9	24 5,57	3,708	, 033	+,001	10	+37 7 31,37	,593	, 331	— ,13
4202	Hydræ 8	4	24 9,49	3,109	, 010	+,014	3	+ 2 35 28,77	,597	, 275	+ ,01
4203	Navis ψ 4.5	10	24 12,86	2,372	, 002	+,001	8	—39 44 52,62	,600	, 207	+ ,06
4204	—— 7	3	24 23,89	2,236	, 003	——	3	—44 50 56,19	,610	, 194	——
4205	—— 6.7	3	24 27,81	2,042	, 005	——	3	—50 47 42,04	,614	, 177	——
4206	Antl. Pneum. ζ² 6.7	2	24 28,95	2,564	, 003	—,017	4	—31 8 51,28	,615	, 224	— ,02
4207	Navis 6.7	9	24 38,13	1,523	, 011	——	9	—61 33 11,03	,623	, 134	——
4208	21 Leo. Min. 5.6	4	24 44,68	3,783	, 036	—,002	4	+40 20 56,61	,629	, 337	— ,07
4209	Pix. Naut. 6.7	3	25 5,43	2,628	, 002	——	3	—27 54 13,79	,648	, 228	——
4210	Navis 7.8	3	25 21,46	2,168	, 004	——	3	—47 13 40,62	,662	, 187	——
4211	Navis 7	3	25 22,27	2,413	, 002	——	3	—38 12 44,58	,663	, 209	——
4212	—— 6.7	10	25 24,38	1,523	, 011	——	10	—61 38 19,46	,665	, 132	——
4213	22 Leo. Min. 6	3	25 44,48	3,691	, 033	—,046	8	+36 33 5,47	,683	, 327	— ,40
4214	490 Navis 6	3	25 46,71	2,374	, 002	,000	4	—39 55 21,20	,686	, 204	— ,07
4215	Sextantis 9	4	25 54,55	3,202	, 013	+,007	4	+ 8 55 2,18	,693	, 279	— ,04
4216	35 Leonis 7	4	26 1,64	3,269	, 016	—,005	4	+13 23 9,59	,700	, 285	— ,04
4217	Navis 8	3	26 4,21	2,164	, 004	——	3	—47 28 5,90	,702	, 185	——
4218	Arg. in Vel. N 5	18	26 12,84	1,821	, 006	——	20	—56 18 30,85	,710	, 154	——
4219	33 Hydræ 6	5	26 18,79	2,995	, 007	+,015	5	— 5 10 56,51	,716	, 263	— ,16
4220	187 Camelop. 6.7	3	26 25,81	7,297	, 451	+,026	4	+78 52 42,53	,722	, 650	+ ,06
4221	7 Leonis 6.7	8	26 51,43	3,295	, 017	+,007	5	+15 6 44,14	,744	, 186	— ,06
4222	Navis 8	4	26 51,76	1,829	, 006	——	4	—56 15 39,83	,744	, 154	——
4223	Leo. Min. 6.7	4	26 54,35	3,587	, 028	+,002	4	+31 53 48,10	,746	, 316	— ,09
4224	Navis 7	3	27 22,68	1,930	, 005	——	3	—54 6 7,04	,772	, 164	——
4225	88 Urs. Maj. 6	7	27 34,99	5,769	, 218	—,001	4	+72 59 42,19	,783	, 510	— ,09
4226	Navis 7.8	7	27 44,87	1,831	, 006	——	7	—56 21 52,73	,792	, 154	——
4227	—— 8.9	8	27 48,69	2,122	, 004	——	7	—49 1 32,06	,796	, 182	——
4228	8 Leonis 6.7	8	27 55,96	3,325	, 018	+,008	5	+17 10 22,82	,802	, 290	— ,09
4229	Navis 7.8	3	27 59,57	1,657	, 007	——	3	—59 47 36,45	,806	, 139	——
4230	Antl. Pneum. 7	3	28 0,47	2,524	, 002	——	3	—33 38 3,49	,806	, 217	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4231	26 Leo. Min. 6	3	9 28 2,11	+3,786	—,00039	—,016	4	+40 58 33,30	15,808	—,00331	—0,04
4232	9 Leonis 7	6	28 22,74	3,461	, 023	+,010	5	+25 24 25,58	,826	, 301	— ,10
4233	Navis 6.7	3	28 25,98	2,074	, 004	——	3	—50 31 24,25	,829	, 177	——
4234	10 Leonis 5.6	6	28 29,87	3,180	, 013	+,010	5	+ 7 34 18,53	,833	, 273	— ,10
4235	27 Leo. Min. 6.7	3	28 39,88	3,860	, 044	+,002	4	+43 53 5,99	,842	, 338	— ,18
4236	Pix. Naut. 7.8	3	28 44,70	2,657	, 002	——	3	—26 47 14,15	,846	, 227	——
4237	11 Leonis 7	5	29 0,58	3,292	, 016	—,011	5	+15 5 21,80	,861	, 283	— ,02
4238	Navis 8.9	9	29 4,69	2,157	, 003	——	9	—48 9 9,00	,865	, 184	——
4239	Leo. Min. 8.9	4	29 4,96	3,560	, 027	+,027	4	+30 53 28,52	,865	, 310	— ,04
4240	Hydræ 8.9	5	29 10,27	3,106	, 020	+,007	4	+ 2 25 57,31	,869	, 268	+ ,05
4241	Navis 7.8	3	29 11,06	1,660	, 006	——	3	—59 53 47,16	,870	, 137	——
4242	—— 8.9	9	29 21,05	2,151	, 003	——	9	—48 23 46,35	,879	, 182	——
4243	—— 7.8	3	29 22,30	2,297	, 001	——	3	—43 27 11,06	,880	, 194	——
4244	28 Leo. Min. 7	4	29 28,44	3,664	, 032	+,012	4	+35 58 58,27	,885	, 317	— ,15
4245	43 Leonis 6.7	4	29 38,58	3,385	, 020	+,008	4	+21 2 15,06	,894	, 293	— ,06
4246	Arg. in Car. h 5	15	29 39,70	1,740	, 006	——	11	—58 29 46,44	,895	, 144	——
4247	44 Leonis 6.7	4	29 42,86	3,470	, 023	+,007	4	+26 6 21,26	,898	, 299	— ,07
4248	Hydræ N¹ 7	3	29 46,31	2,947	, 006	+,012	4	— 8 41 11,07	,901	, 254	— ,02
4249	—— 8	4	29 47,02	3,108	, 010	—,007	3	+ 2 34 38,13	,902	, 265	+ ,05
4250	2 Sextantis b 5,6	6	29 50,77	3,148	, 012	—,001	6	+ 5 23 27,14	,905	, 268	— ,06
4251	Leo. Min. 7	3	29 58,31	3,664	, 032	+,008	4	+36 4 34,51	,911	, 316	— ,09
4252	Antl. Pneum. 7.8	3	30 2,86	2,611	, 002	——	3	—29 28 18,14	,916	, 220	——
4253	10 —— —— 6	2	30 4,04	2,574	, 002	+,001	4	—31 26 23,17	,917	, 217	+ ,01
4254	—— —— 7	3	30 16,53	2,630	, 002	——	3	—29 3 47,90	,928	, 221	——
4255	46 Leonis 7	4	30 19,35	3,274	, 016	+,023	4	+14 3 10,05	,930	, 278	—, 01
4256	Navis 7	3	30 27,24	2,169	, 002	——	3	—48 0 46,33	,937	, 183	——
4257	—— 8	3	30 35,17	2,077	, 003	——	3	—50 46 34,68	,944	, 175	——
4258	Antl. Pneum. 7	3	30 36,74	2,496	, 001	——	3	—35 21 25,12	,945	, 211	——
4259	Navis 5.6	3	30 55,56	2,152	, 003	——	3	—48 37 3,64	,962	, 181	——
4260	35 Hydræ ι 5	13	31 25,89	3,065	, 009	+,022	12	— 0 23 50,40	,989	, 260	— ,10
4261	Navis y 6	3	31 34,87	2,332	, 001	—,015	4	—42 26 55,64	,997	, 195	— ,06
4262	—— 7.8	3	31 41,94	2,004	, 004	——	3	—52 55 40,90	16,003	, 166	——
4263	Hydræ 6.7	6	31 43,28	2,929	, 005	+,007	7	— 9 58 10,44	,004	, 250	— ,05
4264	—— N³ 6.7	3	31 44,09	2,931	, 005	+,009	4	— 9 49 38,85	,005	, 250	— ,09
4265	32 Leo. Min. 6.7	3	31 45,21	3,759	, 038	—,017	4	+40 30 19,29	,006	, 321	— ,06
4266	Leo. Min. 7	4	31 48,47	3,575	, 028	+,005	4	+32 1 23,79	,009	, 305	,00
4267	Navis 7	3	32 0,90	2,422	, 000	——	3	—38 52 7,81	,020	, 205	——
4268	—— 8	3	32 7,30	2,177	, 002	——	3	—48 1 51,04	,026	, 182	——
4269	13 Leonis 6	6	32 8,07	3,475	, 024	+,006	5	+26 39 36,28	,027	, 299	+ ,01
4270	Navis 7.8	7	32 14,98	1,407	, 014	——	7	—64 12 46,63	,032	, 114	——
4271	Hydræ 7	3	32 17,22	2,929	, 005	+,022	8	—10 1 30,07	,035	, 250	— ,12
4272	14 Leonis o 4	18	32 20,37	3,222	, 014	+,002	21	+10 38 21,12	,038	, 270	— ,08
4273	38 Hydræ κ 5	11	32 24,00	2,877	, 004	+,007	8	—13 35 12,48	,041	, 244	+ ,04
4274	33 Leo. Min. 6.7	3	32 44,76	3,650	, 033	+.011	4	+35 50 34,68	,058	, 311	— ,06
4275	Leonis 8	4	33 2,54	3,549	, 027	—,001	4	+30 51 33,92	,074	, 301	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4276	Antl. Pneum. 7	3	9 33 6,72	+2,606	+,00002	—	3	—30 10 36,42	16,078	—,00215	—
4277	97 Urs. Maj. 6.7	3	33 8,34	4,740	—, 106	+,006	4	+64 24 23,27	,079	, 395	—0,09
4278	Hydræ 7	3	33 24,37	2,934	—, 001	+,010	4	— 9 45 19,25	,094	, 245	— ,03
4279	Navis 7	3	33 37,39	2,201	+, 003	—	3	—47 29 34,70	,105	, 181	—
4280	—— 7.8	3	33 45,47	2,044	+, 002	—	3	—52 11 55,28	,113	, 168	—
4281	Leonis f 6	4	33 51,86	3,544	—, 023	+,003	4	+30 43 44,88	,119	, 296	— ,08
4282	Navis 7	3	34 0,10	1,976	+, 001	—	3	—54 0 30,37	,125	, 161	—
4283	—— 7.8	3	34 4,77	1,821	, 000	—	3	—57 32 9,40	,129	, 146	—
4284	Leonis 7	7	34 7,74	3,375	, 016	+,023	5	+20 56 36,75	,132	, 281	— ,01
4285	Antl. Pneum. 7	3	34 21,43	2,562	+, 003	—	3	—32 38 53,01	,143	, 211	—
4286	Antl. Pneum. 6.7	3	34 39,61	2,622	+, 003	—	3	—29 33 17,61	,160	, 215	—
4287	16 Leonis ψ 6	7	34 44,36	3,280	—, 012	+,007	5	+14 46 23,36	,165	, 285	+ ,04
4288	99 Urs. Maj. 6	4	34 46,48	4,332	—, 076	—,013	4	+57 52 50,07	,167	, 368	— ,03
4289	Navis 5.6	3	34 46,82	1,667	—, 002	—	3	—60 34 58,00	,167	, 140	—
4290	—— 7.8	3	34 48,46	1,466	—, 008	—	3	—63 44 42,38	,168	, 124	—
4291	Sextantis 9	4	34 53,29	3,118	—, 007	+,004	4	+ 3 22 42,94	,171	, 256	+ ,10
4292	Navis 7	3	35 30,19	1,977	+, 001	—	3	—54 14 5,53	,203	, 158	—
4293	—— 8.9	4	35 37,97	2,276	+, 004	—	4	—45 14 43,64	,210	, 186	—
4294	—— 6	8	35 38,17	1,847	, 000	—	7	—57 14 6,18	,210	, 147	—
4295	Antl. Pneum. 7	3	35 44,39	2,525	+, 002	—	3	—34 45 3,73	,215	, 206	—
4296	Leonis 7	3	35 52,42	3,425	—, 018	+,003	4	+24 13 46,50	,221	, 282	— ,11
4297	100 Urs. Maj. 6.7	4	36 7,06	3,881	—, 043	+,004	4	+45 52 32,64	,233	, 323	— ,18
4298	Navis 8	3	36 19,78	2,012	+, 002	—	3	—53 28 1,49	,244	, 162	—
4299	—— 7	3	36 22,47	1,973	+, 002	—	3	—54 27 47,30	,246	, 159	—
4300	17 Leonis ε 3	30	36 28,39	3,429	—, 018	+,007	29	+24 31 49,54	,251	, 282	— ,04
4301	Antl. Pneum. θ 6	5	36 51,13	2,672	+, 003	+,005	5	—27 1 0,88	,272	, 218	— ,02
4302	Leonis 7	4	36 58,92	3,375	—, 016	+,018	4	+21 14 42,70	,278	, 276	— ,06
4303	Antl. Pneum. 8	2	37 2,11	2,755	+, 003	—,018	3	—21 59 51,24	,281	, 227	— ,02
4304	Navis 8	3	37 20,99	1,954	+, 001	—	3	—55 4 54,12	,296	, 156	—
4305	Antl. Pneum. 7.8	4	37 25,94	2,676	+, 003	+,015	3	—26 52 26,30	,300	, 218	,00
4306	18 Leonis 6	5	37 29,64	3,245	—, 011	+,007	5	+12 33 59,57	,303	, 261	— ,04
4307	Navis 7	3	37 35,94	2,128	+, 003	—	3	—50 28 36,80	,309	, 171	—
4308	—— 7.8	3	37 38,49	2,026	+, 002	—	3	—53 19 19,92	,311	, 161	—
4309	Sextantis 7	3	37 52,68	3,106	—, 006	+,004	4	+ 2 32 43,51	,324	, 250	— ,04
4310	102 Leo. Min. 6.7	4	37 54,60	3,898	—, 045	+,017	4	+46 47 6,08	,326	, 320	— ,10
4311	Sextantis 7.8	4	38 2,92	3,105	—, 006	+,015	4	+ 2 28 38,39	,332	, 250	+ ,01
4312	Navis 7	3	38 6,72	2,036	+, 002	—	3	—53 8 16,33	,336	, 162	—
4313	Antl. Pneum. 7.8	3	38 7,43	2,633	+, 003	—	3	—29 26 45,91	,336	, 211	—
4314	Navis 9	3	38 11,72	2,126	+, 003	—	3	—50 36 43,97	,339	, 171	—
4315	66 Leonis 6.7	7	38 27,57	3,374	—, 016	+,023	7	+21 21 53,39	,354	, 273	— ,07
4316	Navis 7.8	3	38 30,88	2,218	+, 004	—	3	—47 47 34,59	,357	, 178	—
4317	19 Leonis 7	10	38 33,46	3,240	—, 011	+,004	9	+12 19 39,83	,359	, 259	— ,02
4318	68 —— 7	2	38 40,78	3,238	—, 011	+,011	4	+12 11 24,11	,365	, 259	— ,13
4319	Antl. Pneum. 7	3	38 58,53	2,686	+, 004	—	3	—26 30 50,92	,380	, 217	—
4320	29 Urs. Maj. ν 4.5	16	39 11,47	4,396	—, 083	—,047	16	+59 48 34,92	,390	, 363	— ,14

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4321	Navis 7.8	3	9 39 19,38	+2,297	+,00003	——	3	—45 9 12,48	16,397	—,00180	——
4322	—— 7.8	3	39 26,54	2,356	+, 002	——	3	—42 55 14,01	,402	, 185	——
4323	—— 7	3	39 40,02	1,896	+, 002	——	3	—56 48 33,77	,415	, 145	——
4324	—— 7.8	3	39 41,91	2,033	+, 003	——	3	—53 29 22,37	,416	, 157	——
4325	—— 7.8	7	39 49,08	2,299	+, 003	——	7	—45 9 28,56	,422	, 180	——
4326	Antl. Pneum. 7	3	39 51,54	2,619	+, 004	——	3	—30 30 27,51	,424	, 205	——
4327	16 Sextantis 7	3	40 0,98	2,984	—, 002	+,006	4	— 6 28 59,77	,432	, 238	—0,11
4328	Antl. Pneum. 8.9	3	40 2,42	2,460	+, 001	——	3	—38 33 40,59	,433	, 194	——
4329	40 Leo. Min. 7	4	40 4,12	3,724	—, 034	—,002	4	+40 23 43,56	,435	, 299	— ,07
4330	512 Navis 6	4	40 4,93	2,331	+, 002	+,001	4	—43 59 41,16	,435	, 183	— ,05
4331	Sextantis 8	4	40 22,00	2,983	—, 002	+,021	4	— 6 33 19,39	,449	, 238	,00
4332	20 Leonis 7	7	40 35,32	3,379	—, 017	+,001	5	+21 56 41,01	,460	, 269	— ,02
4333	Arg. in Car. *b* 5	15	40 42,91	1,650	—, 003	——	15	—61 44 54,13	,467	, 131	——
4334	Leonis 8	4	40 47,39	3,432	—, 019	+,010	4	+25 19 30,76	,470	, 273	+ ,04
4335	30 Urs. Maj. *φ* 5	13	40 49,61	4,154	—, 067	—,009	12	+54 49 50,92	,473	, 337	+ ,03
4336	Navis 7	3	40 52,92	1,849	+, 002	——	3	—58 2 11,17	,476	, 141	——
4337	—— 8	3	40 59,09	1,837	+, 002	——	3	—58 17 18,09	,480	, 140	——
4338	Leonis 7	4	41 0,80	3,231	—, 010	+,010	4	+11 52 27,53	,482	, 254	— ,15
4339	4 Sextantis *s* 6	9	41 54,83	3,139	—, 007	+,027	9	+ 5 6 46,04	,527	, 246	— ,19
4340	72 Leonis 7	3	41 56,29	3,241	—, 011	+,011	4	+12 36 35,24	,528	, 253	+ ,01
4341	73 Leonis 7	7	42 5,88	3,257	—, 012	+,014	8	+13 50 2,53	,536	, 255	— ,07
4342	Leo. Min. *q* 7	3	42 20,20	3,676	—, 032	+,018	4	+38 41 4,34	,547	, 292	,00
4343	Sextantis *c* 6.7	3	42 29,06	2,983	—, 002	+,011	4	— 6 36 46,16	,555	, 234	— ,09
4344	22 Leonis *g* 6	5	42 30,24	3,426	—, 019	+,021	5	+25 10 21,49	,556	, 270	— ,17
4345	Navis 6.7	3	42 36,41	2,374	+, 001	——	3	—42 43 1,06	,560	, 184	——
4346	Antl. Pneum. 7	3	42 53,08	2,534	+, 002	——	3	—35 30 5,32	,574	, 195	——
4347	Sextantis 8.9	4	42 54,81	3,057	—, 004	+,003	4	— 1 5 4,04	,576	, 239	— ,04
4348	6 —— *t* 6	6	42 55,18	3,025	—, 003	+,006	5	— 3 28 24,16	,576	, 236	— ,08
4349	Navis *v* 3.4	8	42 58,59	1,507	—, 006	——	6	—64 18 31,82	,579	, 117	——
4350	Sextantis 6.7	4	43 8,35	3,000	—, 002	—,005	4	— 5 24 55,83	,587	, 234	— ,01
4351	Navis 7	3	43 15,53	1,972	+, 003	——	3	—55 38 46,49	,593	, 148	——
4352	—— 7.8	6	43 16,23	2,454	+, 001	——	6	—39 24 6,67	,594	, 188	——
4353	24 Leonis *μ* 3	12	43 21,94	3,450	—, 020	—,008	21	+26 46 48,50	,598	, 270	— ,10
4354	109 Urs. Maj. 7	7	43 26,29	5,630	—, 228	+,016	8	+73 39 27,98	,601	, 450	— ,05
4355	39 Hydræ *v*¹ 5	10	43 32,70	2,883	, 000	+,001	6	—14 4 32,08	,607	, 225	— ,09
4356	Navis *u* 6	3	43 33,02	2,322	+, 002	—,003	4	—44 57 53,14	,607	, 178	— ,06
4357	Antl. Pneum. 8	3	43 33,26	2,536	+, 002	——	3	—35 29 37,22	,607	, 194	——
4358	7 Sextantis A 7	6	43 41,47	3,113	—, 006	—,002	5	+ 3 13 13,73	,613	, 241	+ ,08
4359	Navis 8.9	3	43 46,62	1,807	+, 002	——	3	—59 22 1,91	,618	, 136	——
4360	Antl. Pneum. 8	3	43 50,06	2,626	+, 003	——	3	—30 44 25,97	,621	, 201	——
4361	Navis 8	3	44 1,59	2,185	+, 003	——	3	—49 51 15,22	,630	, 167	——
4362	—— 7.8	4	44 4,09	2,216	+, 003	——	4	—48 50 56,45	,632	, 169	——
4363	8 Sextantis *d* 6	6	44 20,46	2,975	—, 002	+,002	5	— 7 19 51,47	,645	, 231	+ ,03
4364	Navis 7	3	44 22,94	2,294	+, 002	——	3	—46 9 55,67	,647	, 175	——
4365	—— 8.9	3	44 40,78	1,807	+, 002	——	3	—59 29 36,28	,662	, 134	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4366	111 Urs. Maj. 6	4	9 44 54,16	+3,976	—,00053	+,010	4	+50 35 40,43	16,673	—,00312	0,00
4367	Navis 6.7	3	44 57,00	2,317	+, 002	——	3	—45 25 27,48	,676	, 176	——
4368	Sextantis 7	4	45 15,25	2,952	—, 001	+,018	4	— 9 7 46,58	,690	, 227	+0,01
4369	Navis 7.8	3	45 17,44	2,310	+, 002	——	3	—45 44 28,36	,692	, 175	——
4370	—— 6	3	45 19,21	2,309	+, 002	——	3	—45 46 34,76	,693	, 175	——
4371	79 Leonis 7	4	45 22,35	3,186	—, 009	+,018	4	+ 8 50 59,77	,696	, 245	— ,06
4372	Sextantis 8	5	45 26,07	3,145	—, 007	+,005	1	+ 5 43 29,87	,699	, 242	— ,11
4373	9 —— 7	12	45 29,28	3,145	—, 007	+,011	9	+ 5 43 9,75	,701	, 242	— ,07
4374	Antl. Pneum. 7	3	45 35,37	2,701	+, 003	——	3	—26 33 45,77	,705	, 206	——
4375	113 Urs. Maj. 6.7	3	45 39,80	4,264	—, 078	+,009	4	+58 11 56,04	,709	, 337	— ,06
4376	Navis 7.8	3	45 40,66	1,803	+, 003	——	3	—59 45 27,53	,710	, 132	——
4377	—— 8	3	46 0,74	2,032	+, 004	——	3	—54 36 42,09	,727	, 152	——
4378	—— 7	3	46 0,97	2,060	+, 004	——	3	—53 52 52,77	,727	, 154	——
4379	—— 7	3	46 3,74	1,860	+, 003	——	3	—58 39 6,78	,729	, 137	——
4380	Leonis 8.9	4	46 11,28	3,174	—, 008	+,017	4	+ 7 56 52,01	,735	, 242	— ,12
4381	Navis 6.7	6	46 17,38	1,687	—, 001	——	6	—61 58 23,05	,740	, 123	——
4382	Antl. Pneum. 6.7	3	46 40,59	2,693	+, 003	——	3	—27 13 22,28	,758	, 204	——
4383	Navis 7.8	3	46 42,00	2,313	+, 002	——	3	—45 54 44,19	,759	, 174	——
4384	Antl. Pneum. 5.6	3	46 44,22	2,726	+, 003	——	3	—25 9 30,70	,761	, 206	——
4385	—— —— 7.8	3	46 45,87	2,604	+, 002	——	3	—32 27 34,88	,762	, 195	——
4386	45 Leo. Min. 6.7	3	46 49,63	3,551	—, 026	+,015	4	+33 9 44,37	,766	, 273	— ,01
4387	Navis 7.8	3	46 56,93	2,421	, 000	——	3	—41 32 1,10	,771	, 182	——
4388	—— 7.8	7	47 2,65	2,432	, 000	——	7	—41 4 18,91	,776	, 183	——
4389	—— 8.9	3	47 3,27	2,037	+, 004	——	3	—54 40 44,75	,777	, 150	——
4390	Sextantis 7.8	3	47 9,28	2,939	—, 001	+,025	4	—10 15 24,38	,781	, 223	+ ,05
4391	Sextantis 7.8	4	47 11,82	3,180	—, 008	+,013	4	+ 8 27 24,84	,784	, 241	— ,01
4392	Navis 7	3	47 22,50	2,042	+, 004	——	3	—54 35 52,11	,792	, 150	——
4393	Leo. Min. c 5.6	4	47 33,08	3,725	—, 037	—,013	4	+41 50 13,98	,801	, 288	— ,06
4394	10 Sextantis 6	6	47 40,93	3,196	—, 009	,000	5	+ 9 42 42,57	,806	, 242	— ,03
4395	Navis 6.7	3	47 47,86	2,191	+, 001	——	3	—50 22 10,95	,812	, 164	——
4396	524 Navis 6.7	4	47 48,47	2,354	+, 002	+,022	3	—44 30 22,97	,813	, 176	+ ,01
4397	—— 7.8	5	47 59,90	2,320	+, 002	——	5	—45 51 35,93	,822	, 173	——
4398	Antl. Pneum. 7.8	3	48 1,43	2,600	+, 002	——	3	—32 54 44,77	,823	, 193	——
4399	—— —— 7.8	3	48 2,18	2,606	+, 002	——	3	—32 35 1,85	,824	, 194	——
4400	Urs. Maj. 7	3	48 11,97	4,202	—, 076	+,006	4	+57 15 27,12	,832	, 327	+ 04
4401	Navis 9	6	48 18,51	1,729	+, 001	——	6	—61 33 32,22	,837	, 128	——
4402	—— 8	7	48 42,42	2,470	—, 001	——	6	—39 39 19,89	,855	, 183	——
4403	—— 6.7	3	48 43,81	2,224	+, 001	——	3	—49 27 53,74	,856	, 165	——
4404	Leonis 8.9	4	48 56,46	3,494	—, 023	+,017	4	+30 19 4,44	,866	, 262	— ,10
4405	Antl. Pneum. λ 7	2	48 57,97	2,648	+, 002	——	2	—30 18 39,07	,867	, 197	——
4406	Navis 8.9	7	49 10,13	1,749	+, 002	——	7	—61 20 24,76	,877	, 128	——
4407	87 Leonis 7	3	49 13,11	3,277	—, 013	+,014	4	+16 0 17,68	,879	, 245	— ,10
4408	Navis 6.7	3	49 14,55	1,932	+, 003	——	3	—57 38 32,76	,880	, 140	——
4409	Sextantis 7.8	4	49 20,21	3,056	—, 003	+,008	3	— 1 9 33,41	,884	, 229	+ ,05
4410	27 Leonis ν 5.6	9	49 20,49	3,241	—, 011	+,009	5	+13 13 42,90	,884	, 242	— ,09

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	dδ	d²δ	Annual P.M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
4411	11 Sextantis 6	6	9 49 22,88	+3,186	—,00009	+,010	10	+ 9 5 53,44	16,886	—,00235	—0,07
4412	Antl. Pneum. π 6.7	3	49 23,96	2,609	+, 001	——	3	—32 38 16,66	,887	, 191	——
4413	Sextantis 8	4	49 25,01	3,056	—, 003	+,010	4	— 1 9 47,03	,888	, 227	,00
4414	Antl. Pneum. 6.7	3	49 27,55	2,708	+, 002	——	3	—26 41 38,88	,890	, 200	——
4415	Navis 8.9	3	49 35,46	1,906	+, 003	——	3	—58 16 20,14	,897	, 136	——
4416	Urs. Maj. 7.8	3	49 51,10	4,057	—, 064	+,006	4	+53 54 45,59	,909	, 308	— ,08
4417	Antl. Pneum. 7.8	3	49 51,48	2,585	+, 001	——	3	—34 2 37,54	,909	, 187	——
4418	92 Leonis 6	3	50 4,62	3,493	—, 023	+,019	4	+30 25 55,53	,919	, 260	— ,06
4419	Sextantis 7.8	4	50 11,58	3,144	—, 007	+,011	4	+ 5 35 41,42	,925	, 231	— ,07
4420	Navis 7.8	3	50 14,96	1,925	+, 003	——	3	—57 57 35,19	,927	, 137	——
4421	Navis 7	3	50 17,85	2,200	+, 001	——	3	—50 33 13,59	,929	, 160	——
4422	—— 7.8	3	50 26,59	1,910	+, 003	——	3	—58 19 31,57	,937	, 186	——
4423	Antl. Pneum. 7	3	50 40,59	2,747	+, 003	——	3	—24 20 47,45	,948	, 201	——
4424	Navis 8	3	51 0,49	2,078	+, 002	——	3	—54 17 57,99	,963	, 148	——
4425	—— 7.8	3	51 1,06	2,248	+, 001	——	3	—49 5 14,23	,964	, 162	——
4426	Navis φ 4	16	51 4,85	2,097	+, 002	——	14	—53 47 4,28	,967	, 150	——
4427	—— 7.8	3	51 8,52	2,258	+, 001	——	3	—48 46 19,83	,970	, 162	——
4428	Sextantis 6.7	10	51 9,49	3,123	—, 006	+,005	7	+ 4 10 13,31	,971	, 227	— ,02
4429	Navis 7	3	51 12,95	2,164	+, 001	——	3	—51 51 17,78	,973	, 155	——
4430	Antl. Pneum. 7	3	51 20,13	2,684	+, 002	——	3	—28 31 9,17	,978	, 194	——
4431	Navis 6.7	3	51 23,67	2,291	+, 001	——	3	—47 37 43,97	,981	, 165	——
4432	Leo. Min. s 6	7	51 28,72	3,528	—, 026	—,031	7	+32 43 52,03	,985	, 270	— ,54
4433	29 Leonis π 4.5	13	51 29,35	3,181	—, 009	+,003	10	+ 8 49 56,34	,986	, 232	— ,09
4434	Antl. Pneum. η 6	4	51 47,96	2,572	, 000	—,007	4	—35 6 13,36	17,001	, 185	— ,01
4435	Navis 9	3	52 3,75	2,018	+, 002	——	3	—56 4 45,29	,013	, 143	——
4436	119 Urs. Maj. 7	4	52 7,23	3,935	—, 054	—,001	4	+50 40 1',93	,016	, 292	— ,07
4437	Antl. Pneum. 8	3	52 37,27	2,654	+, 002	——	3	—30 33 41,81	,040	, 189	——
4438	Sextantis 7.8	4	52 38,24	3,042	—, 003	+,012	4	— 2 24 0,65	,041	, 220	— ,02
4439	Navis 7.8	3	52 51,43	2,387	—, 001	——	3	—44 10 2,30	,050	, 169	——
4440	—— 7.8	3	52 53,80	1,793	+, 002	——	3	—61 8 46,73	,052	, 127	——
4441	Antl. Pneum. 8.9	3	53 6,60	2,723	+, 002	——	3	—26 21 57,27	,063	, 195	——
4442	Navis 7.8	3	53 16,69	1,761	, 000	——	3	—61 47 55,12	,070	, 124	——
4443	121 Urs. Maj. 6	3	53 35,84	4,060	—, 067	+,012	4	+54 41 9,49	,085	, 300	,00
4444	Leonis 6.7	6	53 36,22	3,365	—, 017	+,005	5	+22 44 31,12	,085	, 242	— ,01
4445	Navis 8	3	53 45,83	1,980	+, 002	——	3	—57 20 22,66	,093	, 138	——
4446	Hydræ 7	4	53 49,80	2,921	—, 001	+,006	4	—12 6 24,52	,095	, 210	— ,04
4447	Navis 8.9	7	54 4,05	1,783	, 000	——	7	—61 31 42,74	,106	, 125	——
4448	Antl. Pneum. 7.8	7	54 19,40	2,513	—, 002	——	7	—38 39 34,44	,118	, 178	——
4449	Hydræ 6	10	54 33,54	2,917	—, 001	+,004	8	—12 30 15,14	,129	, 209	+ ,05
4450	Navis 7.8	3	54 45,69	2,252	, 000	——	3	—49 41 8,94	,139	, 159	——
4451	Leonis 8	4	54 46,56	3,202	—, 010	+,010	4	+10 41 37,87	,140	, 228	— ,03
4452	Navis 7.8	3	54 48,25	1,882	+, 003	——	3	—59 42 15,01	,141	, 130	——
4453	Antl. Pneum. 7	3	54 49,27	2,613	, 000	——	3	—33 22 54,07	,142	, 184	——
4454	Navis 7	3	54 58,99	2,036	+, 002	——	3	—56 9 20,20	,148	, 143	——
4455	Sextantis 7.8	4	55 3,69	3,129	—, 007	+,012	4	+ 4 45 54,35	,152	, 222	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4456	Leonis 7	9	9 55 18,01	+3,223	—,00011	+,013	5	+ 12 25 24,80	17,162	—,00239	—0,04
4457	124 Urs. Maj. 7	3	55 18,46	4,119	—, 072	—,002	4	+56 33 57,50	,162	, 300	— ,02
4458	Antl. Pneum. 7	3	55 27,49	2,675	+, 007	——	3	—29 47 2,81	,169	, 197	——
4459	Navis 6.7	3	55 29,32	2,072	+, 007	——	3	—55 18 14,03	,171	, 143	——
4460	——— 8.9	7	55 34,06	1,831	+, 008	——	7	—60 58 19,34	,175	, 127	——
4461	13 Sextantis e 7	5	55 35,50	3,119	—, 006	+,006	5	+ 4 0 5,15	,176	, 220	— ,06
4462	Navis 8	3	55 40,04	1,902	+, 006	——	3	—59 26 3,09	,180	, 131	——
4463	——— 7	3	55 41,80	2,169	+, 008	——	3	—52 34 15,02	,181	, 151	——
4464	Urs. Maj. 8	4	55 42,08	4,112	—, 072	+,004	4	+56 27 23,64	,181	, 298	— ,04
4465	Navis 8.9	6	55 49,47	1,900	+, 006	——	6	—59 30 3,75	,186	, 131	——
4466	Navis 8	3	56 6,25	2,116	+, 008	——	3	—54 12 34,97	,198	, 146	——
4467	Antl. Pneum. 7.8	3	56 8,35	2,634	+, 007	——	3	—32 26 33,50	,199	, 183	——
4468	—— —— 7.8	3	56 8,83	2,734	+, 006	——	3	—26 6 51,28	,200	, 192	——
4469	Navis 8	3	56 11,90	2,305	+, 009	——	3	—48 4 3,17	,203	, 162	——
4470	——— 8.9	3	56 14,26	2,118	+, 008	——	3	—54 11 13,77	,204	, 146	——
4471	106 Leonis 7	4	56 21,05	3,177	—, 009	+,003	4	+ 8 47 14,76	,209	, 233	— ,09
4472	Navis 7.8	3	56 22,59	2,031	+, 007	——	3	—56 33 22,52	,210	, 139	——
4473	Leonis 7	7	56 43,32	3,275	—, 013	+,006	5	+16 33 23,43	,227	, 230	— ,06
4474	Navis 6.7	4	56 45,60	1,902	+, 006	——	4	—59 37 35,49	,229	, 130	——
4475	——— 6.7	3	56 49,54	2,366	+, 010	——	3	—45 50 23,56	,231	, 157	——
4476	Navis 8	6	56 51,49	2,077	+, 007	——	6	—55 27 40,57	,233	, 142	——
4477	——— 9	3	57 4,61	2,220	+, 009	——	3	—51 15 7,09	,242	, 154	——
4478	40 Hydræ v^2 5.6	3	57 5,60	2,922	, 000	+,008	5	—12 16 2,08	,243	, 206	+ ,02
4479	Antl. Pneum. 6.7	5	57 20,33	2,718	+, 007	——	6	—27 23 26,90	,253	, 189	——
4480	Navis 9	2	57 27,83	1,979	+, 007	——	2	—58 1 59,65	,260	, 135	——
4481	21 Leo. Min. d 5	12	57 40,72	3,566	—, 029	+,018	5	+36 2 42,71	,269	, 253	— ,06
4482	Navis 7.8	8	57 42,25	1,922	+, 006	——	8	—59 22 54,12	,270	, 131	——
4483	Antl. Pneum. 7	6	57 43,06	2,719	+, 007	——	7	—27 23 55,04	,271	, 189	——
4484	Navis 7	3	57 47,09	1,826	+, 008	——	3	—61 21 36,28	,273	, 122	——
4485	——— 7	3	57 56,36	2,326	+, 009	——	3	—47 38 57,67	,280	, 161	——
4486	Sextantis 8	3	57 57,28	3,122	—, 006	—,001	4	+ 4 16 40,48	,281	, 216	— ,11
4487	Antl. Pneum. 6.7	3	58 8,04	2,586	+, 010	——	3	—35 35 4,16	,288	, 179	——
4488	14 Sextantis C 6	2	58 9,57	3,147	—, 007	+,012	5	+ 6 24 47,41	,289	, 218	— ,05
4489	39 Antl. Pneum. 6.7	4	58 14,47	2,613	+, 009	—,009	4	—34 5 0,54	,293	, 181	— ,05
4490	—— —— 7	3	58 17,33	2,638	+, 009	——	3	—32 35 27,33	,295	, 182	——
4491	Navis 7	6	58 18,49	2,235	+, 009	——	3	—50 59 58,80	,296	, 154	——
4492	30 Leonis η 3.4	13	58 19,92	3,285	—, 013	+,014	7	+17 33 51,97	,297	, 228	+ ,03
4493	Navis 7.8	1	58 20,71	1,926	+, 006	——	1	—59 24 2,51	,298	, 131	——
4494	——— 7	4	58 22,64	2,475	+, 011	——	4	—41 22 22,92	,299	, 170	——
4495	Antl. Pneum. o 7	3	58 23,08	2,679	+, 008	——	3	—30 5 25,20	,299	, 185	——
4496	Navis 6.7	1	58 29,19	1,846	+, 008	——	1	—61 5 10,22	,304	, 123	——
4497	61 Leo. Min. 6	4	58 42,89	3,500	—, 025	+,004	4	+32 24 37,80	,315	, 245	— ,13
4498	Navis 6.7	3	58 45,07	2,231	+, 009	——	3	—51 13 33,89	,316	, 152	——
4499	——— 7	3	58 49,37	2,251	+, 009	——	3	—50 30 52,10	,319	, 153	——
4500	——— 7.8	2	58 52,83	2,138	+, 009	——	2	—54 9 3,54	,322	, 145	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4501	31 Leonis A 5.7	12	9 59 8,70	+3,199	—,00010	+,005	4	+10 48 12,57	17,333	—,00221	—0,07
4502	Navis 6.7	6	59 19,26	2,071	+, 008	——	6	—56 5 54,10	,341	, 141	——
4503	Leonis 7.8	3	59 25,27	3,224	—, 011	—,005	4	+12 47 58,47	,345	, 222	— ,15
4504	15 Sextantis f 5	15	59 29,55	3,076	—, 004	+,006	6	+ 0 25 53,90	,348	, 211	— ,05
4505	32 Leonis a 1	83	59 34,77	3,223	—, 011	—,008	118	+12 46 15,09	,353	, 222	— ,02
4506	Navis 6.7	3	59 58,82	2,234	+, 010	——	3	—51 23 12,72	,370	, 152	——
4507	16 Sextantis 6	6	10 0 35,98	3,153	—, 007	+,016	5	+ 6 58 36,57	,398	, 215	— ,08
4508	Navis 7	3	0 36,61	2,270	+, 010	——	3	—50 16 28,92	,399	, 155	——
4509	114 Leonis 7	3	0 46,37	3,193	—, 009	+,007	4	+10 23 54,95	,404	, 217	— ,07
4510	Antl. Pneum. 7	3	0 55,20	2,579	+, 011	——	3	—36 31 44,15	,412	, 175	——
4511	63 Leo. Min. 6.7	3	1 0,48	3,657	—, 035	—,002	4	+41 28 7,23	,415	, 253	— ,07
4512	Navis 8	6	1 2,02	2,230	+, 010	——	6	—51 43 54,22	,416	, 149	——
4513	—— 6.7	3	1 7,20	2,349	+, 011	——	3	—47 27 24,05	,420	, 159	——
4514	115 Leonis 7	3	1 47,16	3,267	—, 013	+,007	4	+16 30 56,90	,442	, 221	— ,08
4515	17 Sextantis g¹ 6	4	1 55,79	2,983	—, 001	+,001	9	— 7 35 51,26	,455	, 204	+ ,18
4516	Antl. Pneum. 7.8	3	2 10,24	2,624	+, 010	——	3	—34 12 30,46	,465	, 177	——
4517	—— —— 7.8	3	2 14,78	2,660	+, 009	——	3	—32 2 25,70	,469	, 178	——
4518	—— —— 6.7	3	2 25,72	2,611	+, 010	——	3	—35 2 58,69	,477	, 175	——
4519	41 Hydræ λ² 4.5	14	2 32,89	2,938	, 000	,000	7	—11 32 29,15	,481	, 200	— ,13
4520	Navis 7	3	2 36,64	2,356	+, 011	——	3	—47 30 1,91	,485	, 157	——
4521	Navis 7	3	2 39,52	2,047	+, 008	——	3	—57 23 29,11	,486	, 134	——
4522	—— Q 5.6	3	2 41,77	2,262	+, 010	——	3	—51 0 15,77	,488	, 149	——
4523	18 Sextantis g² 6	6	2 43,80	2,984	—, 001	+,007	1	— 7 36 16,20	,489	, 203	+ ,10
4524	34 Leonis 6	6	2 45,52	3,236	—, 012	+,019	5	+14 10 0,25	,490	, 218	— ,05
4525	—— 8	4	2 45,67	3,220	—, 011	+,017	4	+12 50 49,03	,491	, 217	— ,04
4526	Navis 7	3	2 47,70	1,870	+, 007	——	3	—61 24 52,56	,492	, 124	——
4527	Sextantis 6	6	3 3,49	2.995	—, 001	+,017	5	— 6 30 21,60	,503	, 204	— ,06
4528	Navis 7	3	3 14,41	2,381	+, 011	——	3	—46 38 17,22	,511	, 158	——
4529	—— 8	10	3 26,37	2,059	+, 009	——	10	—57 13 56,35	,520	, 135	——
4530	Antl. Pneum. 6.7	3	3 38,71	2,561	+, 011	——	3	—38 6 3,64	,529	, 171	——
4531	Navis 7	3	3 42,77	2,369	+, 011	——	3	—47 12 14,13	,532	, 156	——
4532	—— 8	2	3 44,44	1,964	+, 008	——	2	—59 36 24,96	,533	, 128	——
4533	10 Sextantis 7	7	4 13,13	3,132	—, 006	+,008	4	+ 5 25 39,40	,554	, 209	— ,02
4534	189 Camelop. 6	3	4 21,80	10,587	—,01781	—,181	4	+85 4 55,91	,560	, 730	— ,04
4535	Antl. Pneum. 7	3	4 30,95	2,643	+,00009	——	3	—33 31 13,35	,566	, 174	——
4536	Antl. Pneum. 6.7	3	4 31,86	2,731	+, 008	——	3	—27 47 37,69	,566	, 180	——
4537	—— —— 7	3	4 39,20	2,628	+, 010	——	3	—34 30 45,90	,571	, 174	——
4538	—— —— 8	7	4 55,92	2,546	+, 012	——	7	—39 10 53,91	,583	, 168	——
4539	Sextantis 6.7	3	5 4,08	2,985	—, 001	+,013	1	— 7 37 49,02	,589	, 199	— ,02
4540	59 —— 8	3	5 13,40	3,023	—, 002	—,006	1	— 4 16 17,14	,596	, 201	— ,04
4541	Antl. Pneum. 8	3	5 19,07	2,720	+, 008	——	3	—28 41 11,71	,600	, 178	——
4542	Leonis 7	6	5 24,33	3,330	—, 017	+,003	5	+21 59 9,77	,603	, 219	— ,17
4543	Sextantis 7.8	3	5 28,19	3,022	—, 002	+,001	4	— 4 24 18,82	,606	, 201	— ,11
4544	61 —— 7	6	5 32,52	2,997	—, 001	+,030	7	— 6 34 14,14	,608	, 200	— ,06
4545	125 Leonis 7	3	5 34,58	3,266	—, 012	+,009	4	+16 57 15,99	,610	, 214	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4546	69 Leo. Min. 6	3	10 5 36,04	+3,475	—,00025	—,016	4	+32 17 1,40	17,611	—,00231	—0,05
4547	Antl. Pneum. 6	2	5 44,62	2,756	+, 007	——	2	—26 12 56,12	,618	, 181	——
4548	21 Sextantis 6	5	5 55,14	2,991	—, 001	+,003	5	— 7 10 38,82	,623	, 198	— ,12
4549	Navis 7.8	3	5 56,52	2,187	+, 009	——	3	—54 10 17,17	,625	, 141	——
4550	——— 8.9	3	5 56,82	1,921	+, 009	——	3	—60 57 20,29	,626	, 125	——
4551	Urs. Maj. *k* 6.7	7	5 57,60	4,500	—, 120	—,021	7	+65 55 39,12	,627	, 300	— ,02
4552	Navis 6.7	3	6 2,67	2,079	+, 010	——	3	—57 14 51,24	,630	, 134	——
4553	48 Antl. Pneum. 7	6	6 7,94	2,669	+, 009	—,045	6	—32 13 9,55	,633	, 174	+ ,06
4554	Navis 7.8	3	6 29,51	2,387	+, 011	——	3	—47 6 16,75	,648	, 155	——
4555	——— 8	3	6 29,76	1,937	+, 009	——	3	—60 43 39,71	,649	, 126	——
4556	Antl. Pneum. 7.8	3	6 45,38	2,547	+, 012	——	3	—39 31 50,21	,659	, 166	——
4557	Leo. Min. *e* 6	3	6 50,95	3,439	—, 023	+,001	4	+30 7 45,80	,663	, 234	— ,01
4558	Antl. Pneum. 7.8	3	6 55,12	2,549	+, 012	——	3	—39 29 40,06	,666	, 166	——
4559	Navis 6	3	7 1,65	2,306	+, 011	——	3	—50 24 59,39	,670	, 147	——
4560	71 Leo. Min. 7	3	7 6,23	3,429	—, 022	+,008	4	+29 30 17,47	,673	, 230	— ,12
4561	33 Urs. Maj. λ 3.4	14	7 7,04	3,676	—, 040	—,011	27	+43 44 5,47	,674	, 249	— ,06
4562	Navis 7	3	7 9,34	2,292	+, 011	——	3	—50 56 26,74	,675	, 147	——
4563	Leonis 6	6	7 16,44	3,283	—, 014	+,024	5	+18 33 31,27	,680	, 212	— ,05
4564	129 ——— 6.7	3	7 23,58	3,356	—, 018	+,012	4	+24 19 12,82	,684	, 218	— ,01
4565	Navis 6.7	3	7 27,03	2,018	+, 009	——	3	—59 6 8,30	,687	, 131	——
4566	Navis 7	3	7 27,25	2,503	+, 012	——	3	—41 59 29,37	,687	, 164	——
4567	——— 7	3	7 27,53	2,144	+, 009	——	3	—55 46 13,71	,687	, 137	——
4568	36 Leonis ζ 4.5	19	7 30,09	3,355	—, 018	+,009	13	+24 14 11,61	,690	, 217	— ,06
4569	37 ——— 6	6	7 48,94	3,234	—, 011	+,002	5	+14 32 54,98	,703	, 208	,00
4570	Arg. in Vel. *q* 4	12	7 49,56	2,518	+, 012	—,003	10	—41 18 25,19	,703	, 164	— ,19
4571	Navis 7	3	7 57,80	2,514	+, 012	——	3	—41 33 56,57	,709	, 164	——
4572	——— 7	3	7 59,50	1,946	+, 010	——	3	—60 50 32,30	,710	, 123	——
4573	Antl. Pneum. 6.7	3	8 8,06	2,620	+, 011	——	3	—35 41 58,28	,715	, 169	——
4574	Navis 8	4	8 8,32	2,297	+, 011	——	4	—50 59 48,53	,715	, 145	——
4575	134 Leonis 6	3	8 9,29	3,349	—, 018	—,022	4	+23 55 50,24	,716	, 216	— ,14
4576	133 Urs. Maj. 6	3	8 21,07	4,752	—, 155	—,012	4	+69 34 21,91	,724	, 310	— ,06
4577	548 Navis 6.7	3	8 37,02	2,503	+, 012	+,010	4	—42 17 26,98	,736	, 161	+ ,06
4578	136 Urs. Maj 6.7	6	8 47,46	3,692	—, 041	+,016	7	+44 53 1,51	,742	, 243	— ,32
4579	Navis 7	6	9 10,61	2,210	+, 010	——	6	—54 9 17,93	,758	, 140	——
4580	——— 7.8	3	9 19,39	2,348	+, 011	——	3	—49 12 23,00	,764	, 149	——
4581	Urs. Min. 8	2	9 24,56	4,753	—, 157	+,007	2	+69 45 5,42	,767	, 309	— ,01
4582	22 Sextantis *z* 6	6	9 26,03	2,992	—, 001	—,002	5	— 7 14 50,28	,768	, 193	— ,02
4583	Leo. Min. 7.8	4	9 34,94	3,219	—, 010	+,010	4	+13 26 42,40	,775	, 204	— ,11
4584	Navis ω 4.5	11	9 48,38	1,441	—, 004	——	9	—69 13 10,31	,784	, 092	——
4585	Sextantis 8	2	9 51,15	3,067	—, 003	+,017	4	— 0 25 14,58	,786	, 195	— ,12
4586	Camelop. 8	4	9 59,62	10,476	—,01841	—,016	4	+85 14 5,44	,791	, 688	+ ,07
4587	190 ——— 6	5	10 13,17	8,392	—,01026	—,075	5	+83 23 28,98	,801	, 551	+ ,02
4588	Navis 7	7	10 25,48	2,043	+,00010	——	7	—59 4 57,55	,809	, 130	——
4589	Antl. Pneum. 6	9	10 34,38	2,742	+, 008	+,011	5	—28 10 10,99	,815	, 172	+ ,21
4590	Navis 6.7	4	10 37,50	2,435	+, 012	——	4	—46 0 44,21	,817	, 153	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4591	40 Leonis 6	6	10 10 44,93	+3,298	—,00015	+,003	5	+20 18 19,30	17,822	—,00207	—0,29
4592	——— 8	4	10 50,69	3,309	—, 016	+,007	3	+21 13 44,67	,826	, 208	— ,06
4593	41 ——— γ 2	26	10 51,93	3,302	—, 016	+,029	25	+20 40 24,40	,826	, 208	— ,15
4594	Navis 7.8	3	11 0,78	2,401	+, 011	——	3	—47 35 42,88	,833	, 151	——
4595	143 Urs. Maj. 6.7	3	11 9,08	3,635	+, 045	+,006	4	+42 40 30,40	,838	, 232	—, 01
4596	Sextantis B¹ 6.7	3	11 13,73	3,025	—, 002	+,003	4	— 4 16 40,29	,841	, 191	— ,08
4597	Antl. Pneum. 6.7	3	11 23,66	2,628	+, 011	——	3	—35 58 50,94	,848	, 165	——
4598	Navis 7	3	11 27,50	2,544	+, 013	——	3	—40 50 40,40	,850	, 161	——
4599	Antl. Pneum. 8.9	2	11 33,49	2,745	+, 009	+,011	3	—28 8 8,11	,854	, 171	— ,01
4600	Arg. in Car. q 5	15	11 35,44	1,994	+, 010	——	11	—60 30 34,26	,855	, 127	——
4601	Antl. Pneum. 7	3	11 50,64	2,664	+, 010	——	3	—33 47 33,18	,866	, 166	——
4602	Urs. Maj. ν 6	3	12 8,46	4,459	—, 124	+,007	4	+66 23 48,63	,877	, 285	— ,05
4603	Navis 8.9	3	12 9,13	2,324	+, 011	——	3	—50 55 15,26	,878	, 142	——
4604	145 Urs. Maj. 6.7	3	12 20,50	3,617	—, 036	—,008	4	+42 3 50,18	,885	, 228	— ,14
4605	34 ——— ——— μ 3	13	12 28,30	3,622	—, 036	—,001	11	+42 19 33,00	,891	, 228	— ,06
4606	23 Sextantis h 6	7	12 30,79	3,104	—, 005	+,006	5	+ 3 7 1,22	,892	, 193	— ,08
4607	Navis 7	3	12 32,78	2,354	+, 011	——	3	—49 53 25,29	,893	, 145	——
4608	——— 7	8	12 38,05	2,199	+, 011	——	8	—55 17 23,66	,897	, 136	——
4609	——— 8	3	12 40,08	2,471	+, 012	——	3	—44 49 13,43	,898	, 155	——
4610	——— 8.9	3	12 43,54	2,203	+, 011	——	3	—55 12 19,86	,900	, 135	——
4611	Antl. Pneum. 7	2	12 49,12	2,690	+, 009	——	2	—32 18 6,12	,904	, 165	——
4612	42 Leonis 6	6	12 57,55	3,241	—, 012	+,006	7	+15 48 18,25	,909	, 199	— ,10
4613	Navis 7.8	6	12 57,73	2,205	+, 011	——	6	—55 11 44,68	,909	, 135	——
4614	Antl. Pneum. 6.7	3	13 7,92	2,710	+, 009	——	3	—30 59 16,55	,916	, 166	——
4615	Navis 6.7	3	13 10,19	2,424	+, 012	——	3	—47 8 1,60	,917	, 149	——
4616	Navis 6.7	3	13 25,49	2,239	+, 011	——	3	—54 12 6,99	,928	, 137	——
4617	——— 7.8	3	13 25,65	2,337	+, 011	——	3	—50 44 27,66	,928	, 142	——
4618	74 Leo. Min. 6.7	3	13 31,17	3,507	—, 029	+,013	4	+36 2 52,13	,931	, 217	— ,03
4619	Leonis 8.9	4	13 31,71	3,270	—, 014	+,011	4	+18 20 41,95	,931	, 200	— ,14
4620	149 ——— 6.7	3	13 31,93	3,175	—, 009	+,018	4	+ 9 47 37,97	,932	, 195	— ,06
4621	Navis 6.7	3	13 33,97	2,432	+, 012	——	3	—46 52 17,20	,933	, 149	——
4622	75 Leo. Min. 6.7	2	13 35,14	3,486	—, 027	+,019	4	+34 44 18,35	,934	, 216	— ,10
4623	77 Sextantis 7	3	13 37,67	3,071	—, 003	+,015	3	+ 0 4 41,15	,935	, 190	— ,06
4624	Antl. Pneum. 7	3	13 39,44	2,798	+, 007	——	3	—24 32 38,82	,936	, 172	——
4625	Navis 7.8	7	13 54,44	2,163	+, 012	——	7	—56 40 45,77	,946	, 133	——
4626	Antl. Pneum. 8	3	14 0,44	2,739	+, 009	——	3	—29 6 35,03	,950	, 166	——
4627	Navis 7	3	14 4,20	2,437	+, 012	——	3	—46 44 14,81	,952	, 145	——
4628	76 Leo. Min. 7	3	14 20,58	3,421	—, 023	+,003	4	+30 26 51,14	,963	, 208	— ,03
4629	43 Leonis z 6	4	14 22,22	3,148	—, 007	+,002	8	+ 7 22 40,12	,965	, 199	— ,12
4630	Navis 8	3	14 23,56	2,080	+, 012	——	2	—59 3 24,77	,965	, 127	——
4631	Navis 7	4	14 26,16	2,088	+, 012	——	4	—58 49 37,86	,967	, 127	——
4632	——— 8	3	14 36,11	2,180	+, 012	——	3	—56 20 25,71	,973	, 131	——
4633	77 Leo. Min. 5.6	3	14 38,24	3,480	—, 027	+,003	4	+34 33 1,48	,974	, 211	— ,09
4634	Arg. in Vel. T 5	19	14 47,35	2,218	+, 012	——	16	—55 12 50,40	,980	, 123	——
4635	Antl. Pneum. 8	3	14 48,17	2,746	+, 009	+,014	3	—28 43 40,72	,981	, 162	+ ,07

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4636	78 Sextantis 7	6	10 15 1,76	+3,071	—,00003	+,013	7	— 0 4 7,70	17,990	—,00184	—0,13
4637	79 ——— 6.7	3	15 6,17	3,037	—, 002	+,023	4	— 3 14 32,30	,993	, 181	— ,05
4638	Navis 8	3	15 14,01	2,139	+, 012	——	3	—57 39 12,96	,998	, 129	——
4639	Arg. in Vel. r 4.5	11	15 15,80	2,561	+, 014	—,002	11	—40 49 19,51	,999	, 157	— ,07
4640	Urs. Maj. 7.8	3	15 31,46	3,865	—, 061	—,012	4	+53 27 27,30	18,009	, 236	— ,03
4641	157 Leonis 7	3	15 34,51	3,190	—, 010	+,002	3	+11 25 16,04	,011	, 190	+ ,07
4642	Antl. Pneum. 6.7	3	15 40,04	2,741	+, 001	——	3	—29 19 47,08	,015	, 163	——
4643	79 Leo. Min. 6.7	3	16 12,62	3,500	—, 030	—,004	4	+36 15 43,82	,037	, 209	— ,16
4644	Navis 7.8	6	16 14,09	2,155	+, 012	——	9	—57 26 5,29	,037	, 129	——
4645	Antl. Pneum μ 6.7	3	16 16,58	2,628	+, 013	—,005	4	—37 10 28,63	,039	, 159	— ,09
4646	Antl. Pneum. γ 6.7	6	16 21,26	2,749	+, 009	+,005	7	—28 49 1,06	,042	, 163	+ ,09
4647	30 Leo. Min. f 4.5	10	16 26,21	3,474	—, 028	+,014	25	+34 38 2,32	,045	, 208	— ,07
4648	Navis 9	9	16 32,76	2,103	+, 012	——	9	—58 55 23,60	,048	, 126	——
4649	44 Leonis b^1 6	10	16 33,21	3,170	—, 009	+,011	8	+ 9 37 15,48	,048	, 187	— ,07
4650	Navis 8.9	8	16 33,86	2,018	+, 011	——	8	—61 1 1,39	,049	, 121	——
4651	Hydræ nel	4	16 50,06	2,884	+, 005	+,038	6	—17 48 30,31	,053	, 172	— ,14
4652	Leonis 6.7	3	16 53,75	3,170	—, 009	+,011	4	+ 9 36 42,14	,062	, 187	— ,[illegible]
4653	Navis 8.9	3	17 4,21	2,013	+, 011	——	3	—61 14 26,15	,069	, 120	——
4654	83 Sextantis 6	3	17 29,94	3,008	—, 002	+,007	4	— 6 13 49,32	,085	, 177	+ ,08
4655	148 Urs. Maj. 6.7	2	17 40,06	3,599	—, 036	—,008	4	+42 26 29,21	,093	, 213	,00
4656	Navis 9	6	17 46,20	2,035	+, 012	——	5	—60 52 58,93	,095	, 120	——
4657	Antl. Pneum. 7	4	17 48,01	2,760	+, 009	——	4	—28 21 29,73	,096	, 162	——
4658	Navis 8	3	17 49,64	2,135	+, 013	——	3	—58 22 22,63	,097	, 126	——
4659	——— 7.8	3	17 50,30	2,179	+, 013	——	3	—57 7 9,32	,097	, 129	——
4660	——— 9	3	18 3,04	2,126	+, 013	——	3	—58 40 43,22	,106	, 126	——
4661	147 Urs. Maj. 7	3	18 5,44	4,392	—, 123	—,011	4	+66 28 0,46	,107	, 265	— ,08
4662	42 Hydræ μ 4	11	18 7,03	2,906	+, 004	+,007	10	—15 59 46,68	,109	, 171	— ,13
4663	26 Sextantis i 6	5	18 11,86	3,069	—, 003	+,015	5	— 0 9 4,86	,112	, 179	+ ,01
4664	Navis 6	3	18 13,09	2,560	+, 014	——	3	—41 37 49,89	,113	, 152	——
4665	31 Leo. Min. g 4.5	14	18 19,24	3,512	—, 030	+,020	13	+37 32 58,34	,117	, 207	— ,17
4666	Navis 7.8	3	18 19,32	2,296	+, 013	——	3	—53 29 13,18	,117	, 133	——
4667	27 Sextantis 6	7	18 26,89	3,035	—, 002	+,004	5	— 3 33 3,09	,121	, 177	— ,01
4668	Navis 7	3	18 27,32	2,405	+, 013	——	3	—49 16 9,14	,121	, 138	——
4669	——— 7.8	3	18 36,66	2,105	+, 013	——	3	—59 21 22,04	,127	, 124	——
4670	——— 7.8	2	18 43,08	2,051	+, 012	——	2	—60 43 0,76	,131	, 121	——
4671	45 Leonis 6	6	18 55,95	3,180	—, 009	+,010	5	+10 36 4,64	,139	, 183	,00
4672	Navis 6.7	3	19 1,77	2,167	+, 013	——	3	—57 44 23,72	,144	, 127	——
4673	Sextantis 7	3	19 9,70	3,071	—, 003	+,012	6	— 0 7 28,01	,149	, 176	— ,14
4674	Antl. Pneum. 7	3	19 12,51	2,618	+, 014	——	3	—38 31 26,99	,150	, 154	——
4675	Navis 7	2	19 19,17	2,160	+, 014	——	2	—58 2 7,82	,155	, 126	——
4676	Navis 7.8	4	19 28,34	2,285	+, 013	——	4	—54 9 14,61	,160	, 132	——
4677	Sextantis 8.9	4	19 34,07	3,053	—, 003	+,012	4	— 1 52 27,90	,162	, 175	— ,11
4678	Antl. Pneum. α 4.5	10	19 36,77	2,740	+, 010	—,002	12	—30 13 46,66	,164	, 157	+ ,01
4679	83 Leo. Min. 6.7	3	19 42,92	3,406	—, 022	+,022	4	+30 34 9,41	,168	, 196	— ,05
4680	Navis 7	3	19 51,22	2,319	+, 013	——	3	—53 3 12,53	,173	, 132	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″ ″	″ —	″	″
4681	Navis 7	3	10 19 54,84	+2,469	+,00014	——	3	—46 49 7,63	18,176	—,00140	——
4682	167 Leonis 6.7	3	19 58,94	3,224	—, 012	+,002	4	+15 11 3,26	,178	, 184	—0,06
4683	36 Urs. Maj. 5	12	20 0,95	3,935	—, 070	—,033	13	+56 49 25,57	,180	, 231	— ,02
4684	Sextantis q 6	9	20 22,47	3,043	—, 002	——	7	— 2 54 2,87	,195	, 174	——
4685	85 Leo. Min. 6.7	3	20 27,21	3,539	—, 032	+,006	4	+39 46 0,14	,196	, 204	— ,05
4686	170 Leonis 7	3	20 27,57	3,180	—, 010	—,001	4	+10 59 52,52	,196	, 182	— ,03
4687	Navis 6.7	3	20 28,22	2,296	+, 013	——	3	—54 2 20,89	,197	, 131	——
4688	—— 7	3	20 41,06	2,538	+, 014	——	3	—43 30 6,79	,203	, 145	——
4689	—— 7.8	8	20 48,82	2,215	+, 014	——	7	—56 46 1,47	,209	, 127	——
4690	Camelop. Q 6	3	20 50,92	5,417	—, 288	+,034	4	+76 33 31,46	,210	, 320	— ,04
4691	28 Sextantis k 6	10	21 5,54	3,053	+, 011	—,014	5	— 1 53 48,88	,219	, 173	— ,06
4692	Arg. in Car. I 5	6	21 6,56	1,220	—, 011	——	4	—73 11 35,34	,220	, 067	——
4693	Navis 8.9	9	21 14,24	2,441	+, 013	——	12	—48 25 44,79	,225	, 134	——
4694	—— P 6	3	21 16,99	2,218	+, 014	——	4	—56 47 54,33	,227	, 127	——
4695	—— 6.7	3	21 17,67	2,439	+, 013	——	3	—48 33 45,58	,228	, 137	——
4696	Navis 8	3	21 31,68	2,059	+, 013	——	3	—61 10 29,67	,233	, 120	——
4697	Antl. Pneum. 7	6	21 48,23	2,649	+, 014	——	6	—37 13 0,00	,244	, 152	——
4698	Navis s 5	5	21 50,20	2,186	+, 014	——	5	—57 53 54,05	,245	, 125	——
4699	30 Sextantis l 6	5	21 51,55	3,073	—, 003	+,007	5	+ 0 12 26,33	,246	, 172	— ,06
4700	Antl. Pneum. 5.6	6	21 52,34	2,766	+, 010	+,007	5	—28 49 19,91	,247	, 154	— ,06
4701	31 Sextantis u 7	6	21 59,55	3,100	—, 005	+,021	5	+ 2 59 42,56	,251	, 174	— ,11
4702	Antl. Pneum. 9	4	22 0,18	2,717	+, 011	+,028	4	—32 33 56,74	,252	, 153	— ,09
4703	—— —— δ 6	6	22 0,25	2,754	+, 010	+,024	5	—29 45 51,26	,252	, 153	+ ,02
4704	Urs. Maj. 8	4	22 24,67	3,844	—, 063	+,011	4	+54 25 56,16	,267	, 220	— ,04
4705	Leo. Min. h 6.7	3	22 28,31	3,432	—, 025	+,014	4	+33 13 25,13	,269	, 193	— ,05
4706	Navis 7	6	22 36,56	2,242	+, 014	——	6	—56 23 27,35	,274	, 127	——
4707	Sextantis v 6.7	3	22 43,30	3,006	—, 001	+,006	4	— 6 47 36,69	,278	, 167	— ,03
4708	Navis 7.8	3	22 57,83	2,117	+, 015	——	3	—60 3 6,33	,286	, 121	——
4709	—— 9	3	23 6,89	2,166	+, 015	——	3	—58 46 7,32	,293	, 123	——
4710	Antl. Pneum. 7.8	3	23 8,09	2,808	+, 008	——	3	—25 38 22,52	,293	, 156	——
4711	Navis 8.9	4	23 9,62	2,052	+, 013	——	4	—61 42 23,94	,296	, 120	——
4712	Urs. Maj. 7	4	23 20,30	3,834	—, 063	+,015	4	+54 20 42,71	,300	, 217	— ,08
4713	46 Leonis i 6	6	23 22,95	3,217	—, 012	+,001	4	+14 58 54,63	,302	, 177	— ,01
4714	Navis 8	3	23 30,69	2,315	+, 014	——	3	—54 8 1,14	,307	, 129	——
4715	Urs. Maj. 8	4	23 38,73	3,722	—, 050	+,027	5	+50 1 37,11	,311	, 210	+ ,04
4716	32 Sextantis x 7	6	23 44,20	3,123	—, 006	+,011	4	+ 5 29 21,91	,314	, 171	— ,08
4717	Navis 7	3	23 54,38	2,554	+, 015	——	3	—43 31 23,26	,320	, 143	——
4718	—— 7.8	3	23 57,44	2,592	+, 016	——	3	—41 22 30,78	,322	, 146	——
4719	Antl. Pneum. 7	3	24 3,86	2,700	+, 012	——	3	—34 16 46,34	,327	, 150	——
4720	Leo. Min i 6	3	24 3,95	3,463	—, 031	+,023	4	+35 50 8,82	,327	, 192	— ,10
4721	Navis 7	3	24 4,29	2,592	+, 016	——	3	—41 23 0,23	,327	, 146	——
4722	47 Leonis ρ 4	23	24 7,17	3,168	—, 009	+,008	10	+10 9 10,64	,329	, 172	— ,10
4723	158 Urs. Maj. 7	3	24 14,55	3,717	—, 050	—,005	4	+49 57 21,57	,332	, 208	— ,04
4724	37 —— —— m 5	10	24 28,53	3,935	—, 073	+,013	11	+57 55 45,45	,341	, 221	— ,03
4725	Hydræ 8	3	24 35,23	2,844	+, 007	+,007	3	—22 45 16,96	,344	, 156	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4726	Hydræ ϕ^1 7	3	10 24 40,15	+2,915	+,00005	+,009	4	—16 6 28,54	18,347	—,00161	—0,21
4727	Navis 7	5	24 40,43	2,556	+, 015	——	5	—43 38 18,47	,347	, 140	——
4728	—— 7.8	3	24 48,01	2,117	+, 015	——	3	—60 30 42,58	,352	, 127	——
4729	—— s^1 6.7	5	24 54,43	2,547	+, 015	—,022	3	—44 13 25,36	,355	, 140	— ,20
4730	52 —— 6.7	6	24 55,67	2,547	+, 015	—,029	7	—44 13 11,97	,356	, 140	— ,12
4731	Navis 7	3	24 58,07	2,359	+, 014	——	3	—52 52 42,00	,358	, 126	——
4732	—— 8	6	24 58,40	2,235	+, 015	——	8	—57 12 11,35	,358	, 121	——
4733	Antl. Pneum. 8	4	25 19,46	2,729	+, 012	+,022	3	—32 31 15,97	,371	, 149	+ ,04
4734	141 Urs. Maj. 7	3	25 24,54	3,567	—, 037	+,013	4	+42 45 31,22	,374	, 199	— ,04
4735	Navis 6.7	3	25 29,96	2,558	+, 015	——	3	—43 46 10,40	,377	, 140	——
4736	Navis 8	3	25 40,09	2,576	+, 015	——	3	—42 46 48,66	,382	, 140	——
4737	—— 6	3	25 59,86	2,516	+, 015	—,004	4	—46 9 19,77	,394	, 136	— ,03
4738	Urs. Maj. 7	3	26 3,15	3,777	—, 058	+,024	4	+52 57 35,29	,396	, 213	— ,03
4739	Antl. Pneum. 8	3	26 7,93	2,805	+, 009	——	3	—26 29 57,96	,399	, 150	——
4740	Arg. in Car. p 4	11	26 10,49	2,117	+, 015	——	12	—60 50 16,46	,400	, 116	——
4741	44 Hydræ n 6	5	26 10,61	2,846	+, 008	+,012	5	—22 53 49,13	,400	, 155	— ,04
4742	48 Leonis 5.6	7	26 11,50	3,144	—, 007	+,008	5	+ 7 48 2,67	,401	, 170	,00
4743	Navis 8	5	26 11,61	2,229	+, 016	——	5	—57 41 52,10	,401	, 117	——
4744	—— 7	3	26 14,35	2,634	+, 016	——	3	—39 23 16,61	,402	, 145	——
4745	49 Leonis 6	6	26 22,78	3,160	—, 008	+,013	4	+ 9 30 2,55	,407	, 171	— ,08
4746	Navis 9	3	26 25,23	2,186	+, 016	——	3	—59 1 2,42	,409	, 117	——
4747	—— 9	3	26 33,49	2,502	+, 015	——	3	—47 0 37,00	,413	, 131	——
4748	—— 6.7	14	26 38,30	2,229	+, 016	——	15	—57 49 4,27	,415	, 120	——
4749	Leo. Min. k 6.7	3	26 52,05	3,472	—, 030	+,012	4	+37 10 47,79	,424	, 180	— ,08
4750	Antl. Pneum. 6.7	2	26 53,31	2,680	+, 014	——	2	—36 32 13,84	,424	, 145	——
4751	Navis 8	3	26 56,11	2,183	+, 016	——	3	—59 15 52,64	,427	, 117	——
4752	Antl. Pneum. 8	4	27 8,81	2,730	+, 012	+,020	4	—32 54 51,91	,435	, 146	+ ,03
4753	—— —— 7	5	27 11,51	2,761	+, 011	——	6	—30 29 31,78	,435	, 146	——
4754	Navis 7	6	27 12,34	2,249	+, 016	——	5	—57 20 25,41	,436	, 120	——
4755	—— 8	3	27 18,99	2,210	+, 016	——	3	—58 34 8,63	,441	, 120	——
4756	Leonis 7	3	27 27,71	3,144	—, 007	+,019	4	+ 7 53 31,40	,446	, 169	— ,19
4757	Antl. Pneum. 6	3	27 53,95	2,652	+, 016	——	3	—38 42 40,67	,460	, 143	——
4758	Navis 8.9	3	28 2,84	2,548	+, 015	——	3	—45 2 43,36	,466	, 138	——
4759	1 Hyd. & Crat. 6	6	28 13,67	2,926	+, 005	+,003	5	—15 29 30,97	,473	, 154	— ,05
4760	Navis 6.7	3	28 14,23	2,163	+, 016	——	3	—60 8 10,72	,473	, 117	——
4761	Navis —	—	28 ——	2,439	+, 015	——	2	—50 33 39,18	, —	, 127	——
4762	95 Leo. Min. 6.7	3	28 29,72	3,434	—, 027	+,016	4	+34 55 54,43	,481	, 182	— ,06
4763	Navis 7	5	28 47,16	2,278	+, 017	——	5	—56 49 28,69	,490	, 120	——
4764	Antl. Pneum. 7	2	28 53,26	2,797	+, 010	——	2	—27 55 8,87	,493	, 145	——
4765	180 Leonis 7	3	28 54,85	3,241	—, 013	+,008	6	+18 8 1,73	,495	, 167	— ,07
4766	Antl. Pneum. 8.9	4	28 58,46	2,810	+, 010	+,019	4	—26 48 11,75	,497	, 146	— ,02
4767	Navis 7	3	28 59,29	2,489	+, 015	——	3	—48 22 41,58	,497	, 130	——
4768	Antl. Pneum. 7	3	29 2,34	2,743	+, 012	——	3	—32 25 3,94	,499	, 143	——
4769	Navis 6.7	1	29 16,90	2,286	+, 017	——	1	—56 42 14,91	,507	, 121	——
4770	37 Leo. Min. l 4	13	29 24,99	3,403	—, 025	+,006	16	+32 49 51,25	,513	, 180	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
4771	Navis 7	3	10 29 25,71	+2,268	+,00017	——	3	—57 20 25,00	18,513	—,00120	——
4772	Antl. Pneum. 6	5	29 29,60	2,814	+, 010	,000	5	—26 33 33,26	,515	, 146	—0,01
4773	Navis 7	2	29 33,07	2,268	+, 017	——	2	—57 22 16,83	,516	, 120	——
4774	Antl. Pneum. 7	3	29 36,17	2,763	+, 012	——	3	—30 54 31,52	,518	, 143	——
4775	98 Leo. Min. 6.7	3	29 39,87	3,483	—, 031	—,019	4	+38 46 2,48	,521	, 182	— ,01
4776	Navis 7.8	3	29 44,18	2,532	+, 016	——	3	—46 24 2,86	,522	, 132	——
4777	50 Leonis 6.7	5	30 3,15	3,227	—, 012	+,010	5	+16 59 2,06	,534	, 164	— ,08
4778	Navis 7	3	30 10,95	2,231	+, 017	——	3	—58 42 29,65	,538	, 117	——
4779	Antl. Pneum. 7	3	30 12,79	2,715	+, 014	——	3	—34 51 52,90	,540	, 142	——
4780	Navis 7.8	3	30 13,15	2,600	+, 016	——	3	—42 40 7,02	,540	, 138	——
4781	Navis 8	3	30 20,71	2,244	+, 017	——	3	—58 20 8,92	,544	, 117	——
4782	Arg. in Vel. *p* 5	12	30 23,29	2,518	+, 015	——	5	—47 22 13,86	,545	, 131	——
4783	Navis 8	3	30 27,78	2,246	+, 017	——	3	—58 18 47,45	,549	, 117	——
4784	2 Hyd. & Crat. ϕ^3 5	11	30 32,96	2,925	+, 005	—,006	11	—16 1 19,90	,549	, 155	— ,05
4785	Urs. Maj. *z* 6	6	30 35,73	4,245	—, 120	—,026	7	+66 34 39,02	,551	, 225	— ,12
4786	Navis 6.7	3	30 38,42	2,397	+, 016	——	3	—53 0 0,90	,552	, 123	——
4787	193 Leonis 7	3	31 2,99	3,157	—, 008	—,009	4	+ 9 42 0,62	,567	, 160	— ,02
4788	Hydræ 8	4	31 6,73	2,919	+, 005	+,016	4	—16 43 13,80	,569	, 151	— ,03
4789	Urs. Maj. 5	9	31 7,99	4,455	—, 150	—,012	5	+69 56 9,70	,570	, 235	— ,02
4790	Navis 6.7	3	31 11,28	2,266	+, 017	——	3	—57 52 39,71	,571	, 117	——
4791	100 Leo. Min. 6.7	3	31 12,44	3,344	—, 021	+,019	4	+28 22 57,01	,572	, 171	— ,10
4792	Navis 6.7	3	31 36,49	2,620	+, 017	——	3	—41 53 45,56	,584	, 138	——
4793	——— 6.7	3	31 38,86	2,314	+, 017	——	3	—56 24 0,38	,586	, 118	——
4794	Antl. Pneum. 7	3	31 48,17	2,709	+, 014	——	3	—35 49 13,18	,591	, 139	——
4795	Navis 7.8	3	32 13,60	2,123	+, 016	——	3	—62 11 52,94	,606	, 108	——
4796	Navis 5.6	3	32 29,22	2,263	+, 018	——	3	—58 19 31,60	,614	, 115	——
4797	——— 7.8	8	32 30,31	2,261	+, 018	——	8	—58 24 17,04	,614	, 115	——
4798	——— 8.9	4	32 41,95	2,263	+, 018	——	4	—58 24 39,95	,620	, 115	——
4799	——— 7	3	32 42,97	2,277	+, 018	——	3	—57 57 35,45	,620	, 115	——
4800	——— X 5.6	3	32 45,73	2,368	+, 017	——	3	—54 44 48,20	,622	, 118	——
4801	Leonis 9	4	32 50,46	3,202	—, 011	+,020	4	+14 50 16,03	,624	, 160	— ,07
4802	Navis 7.8	3	32 51,53	2,369	+, 017	——	3	—54 45 1,41	,625	, 118	——
4803	102 Leo. Min. 6	3	32 55,24	3,388	—, 025	+,004	3	+32 33 28,93	,628	, 171	— ,03
4804	33 Sextantis *m* 6	6	33 0,81	3,063	—, 002	+,009	5	— 0 52 34,27	,631	, 153	— ,15
4805	Navis 7.8	3	33 11,85	2,451	+, 016	——	3	—51 25 31,76	,636	, 122	——
4806	Navis 7.8	3	33 12,10	2,554	+, 017	——	3	—46 18 5,31	,636	, 129	——
4807	174 Urs. Maj. 6.7	3	33 15,07	3,863	—, 071	+,005	3	+58 3 46,11	,638	, 200	— ,10
4808	Antl. Pneum. 7	3	33 20,49	2,727	+, 014	——	3	—34 52 57,34	,642	, 138	——
4809	Navis 8.9	2	33 22,36	2,212	+, 018	——	2	—60 7 38,50	,643	, 112	——
4810	175 Urs. Maj. 6.7	6	33 49,08	3,599	—, 044	—,021	4	+47 4 7,35	,656	, 181	— ,06
4811	Navis —	—	33 ——	2,244	+, 018	——	—	—59 18 ——	,658	, 114	——
4812	40 Leo. Min. 5.6	7	33 57,53	3,323	—, 020	+,004	5	+27 11 24,50	,660	, 162	— ,04
4813	Antl. Pneum. 7	3	33 58,54	2,730	+, 014	——	3	—34 52 12,97	,661	, 137	——
4814	34 Sextantis 6	14	34 6,01	3,109	—, 005	+,018	9	+ 4 26 35,97	,665	, 154	— ,02
4815	Urs. Maj. 7.8	5	34 17,37	3,596	—, 044	—,021	4	+47 4 17,56	,671	, 181	— ,09

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4816	Navis 9.10	2	10 34 17,61	+2,268	+,00018	——	2	—58 41 0,28	18,672	—,00117	——
4817	41 Leo. Min. *m* 5.6	6	34 26,10	3,289	—, 018	+,008	5	+24 3 0,33	,675	, 158	—0,03
4818	Navis 7	3	34 28,38	2,318	+, 018	——	3	—57 4 27,67	,677	, 118	——
4819	——	7	34 33,93	2,585	+, 017	——	7	—44 54 32,66	,681	, 130	——
4820	Sextantis 8	4	34 36,24	3,118	—, 005	+,026	4	+ 5 31 45,57	,681	, 150	— ,13
4821	35 Sextantis 7	5	34 46,71	3,119	—, 005	+,008	5	+ 5 36 41,88	,682	, 150	— ,10
4822	Antl. Pneum.	4	34 48,57	2,680	+, 017	——	4	—38 50 0,09	,688	, 136	——
4823	Navis 7.8	2	34 56,97	2,260	+, 018	——	2	—59 6 44,40	,692	, 116	——
4824	Antl. Pneum. 7.8	6	35 0,25	2,270	+, 018	——	6	—58 48 56,03	,694	, 114	——
4825	—— —— ρ 6	3	35 4,61	2,770	+, 012	+,008	4	—31 51 12,27	,697	, 136	— ,01
4826	Navis 7.8	3	35 16,78	2,565	+, 017	——	3	—46 21 27,01	,703	, 129	——
4827	178 Urs Maj. 7	3	35 36,30	3,835	—, 070	+,008	4	+57 47 4,24	,713	, 193	— ,09
4828	Antl Pneum. 7	3	35 37,07	2,783	+, 012	——	3	—30 53 40,96	,713	, 113	——
4829	181 Urs. Maj. 6.7	3	35 58,91	3,845	—, 070	+,009	4	+58 14 2,63	,726	, 137	— ,09
4830	Antl. Pneum. 7.8	3	36 9,73	2,695	+, 017	——	3	—38 11 42,27	,731	, 133	——
4831	Navis. 7.8	3	36 9,82	2,361	+, 018	——	3	—56 0 52,88	,731	, 116	——
4832	—— 6.7	7	36 18,91	2,296	+, 018	——	3	—58 21 9,87	,736	, 114	——
4833	—— θ¹ 5	12	36 24,36	2,110	+, 017	——	9	—63 36 14,46	,738	, 107	——
4834	36 Sextantis *n* 6	7	36 39,59	3,099	—, 004	+,012	5	+ 3 21 15,21	,746	, 148	— ,03
4835	42 Leo. Min. *n* 4.5	12	36 40,42	3,363	—, 024	+,014	24	+31 32 57,84	,747	, 159	— ,06
4836	Leo. Min. 8	4	36 42,62	3,362	—, 024	+,020	2	+31 29 35,31	,748	, 159	— ,08
4837	Antl. Pneum. 8.9	1	36 45,32	2,726	+, 014	——	1	—35 57 45,25	,749	, 134	——
4838	Navis 7.8	3	36 51,51	2,245	+, 019	——	3	—60 7 24,38	,752	, 112	——
4839	207 Leonis 7	3	36 56,74	3,141	—, 007	+,019	4	+ 8 22 47,25	,756	, 147	— ,10
4840	Navis 7.8	3	36 58,14	2,240	+, 019	——	3	—60 18 18,69	,756	, 111	——
4841	Navis θ² 2.3	23	37 5,42	2,120	+, 018	——	13	—63 31 51,73	,760	, 106	——
4842	Antl. Pneum. 7	4	37 6,81	2,726	+, 015	——	4	—36 3 52,60	,761	, 132	——
4843	—— —— 8	2	37 10,82	2,711	+, 016	——	2	—37 16 40,23	,763	, 131	——
4844	Navis 5.6	2	37 16,38	2,263	+, 019	——	2	—59 42 9,33	,765	, 112	——
4845	Antl Pneum. 8	4	37 19,76	2,811	+, 011	+,017	4	—28 49 9,22	,767	, 135	— ,02
4846	37 Sextantis o¹ 6	9	37 30,20	3,131	—, 006	+,018	10	+ 7 14 27,08	,772	, 146	— ,05
4847	51 Leonis *m*² 6	10	37 30,75	3,240	—, 014	+,018	7	+19 45 33,57	,773	, 150	— ,10
4848	Navis 9	3	37 31,33	2,401	+, 018	——	3	—54 55 20,55	,773	, 117	——
4849	—— E 7.8	9	37 33,94	2,280	+, 019	——	9	—59 15 10,45	,774	, 113	——
4850	—— 8	3	37 36,02	2,298	+, 019	——	3	—58 40 57,03	,775	, 113	——
4851	52 Leonis *k* 6	10	37 40,30	3,198	—, 011	—,009	6	+15 3 51,68	,778	, 148	— ,08
4852	Navis 8.9	3	37 47,46	2,299	+, 019	——	3	—58 42 41,75	,781	, 113	——
4853	—— 7.8	6	38 2,89	2,288	+, 019	——	6	—59 7 40,51	,790	, 113	——
4854	Urs. Maj. 7.8	3	38 15,62	3,823	—, 070	+,005	4	+58 10 59,66	,796	, 185	— ,05
4855	Navis 7	3	38 33,31	2,579	+, 018	——	3	—46 35 35,25	,805	, 123	——
4856	Navis η 2	6	38 40,99	2,303	+, 019	——	5	—58 49 6,04	,809	, 111	——
4857	38 Sextantis o² 7	5	38 44,23	3,130	—, 006	+,015	4	+ 7 12 54,37	,811	, 145	— ,07
4858	3 Hyd. & Crat. *b*¹ 6	6	38 47,46	2,934	+, 004	+,007	5	—16 25 42,24	,813	, 141	— ,06
4859	Navis 7.8	3	38 49,67	2,410	+, 018	——	3	—54 55 30,78	,814	, 116	——
4860	Hydræ 8	4	38 52,11	2,948	+, 004	+,020	4	—14 51 52,05	,815	, 141	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4861	Antl. Pneum. 6.7	3	10 38 52,96	+2,853	+,00009	——	3	—25 10 57,24	18,815	—,00134	——
4862	561 Navis 7	3	39 17,42	2,651	+, 018	+,003	4	—42 19 19,42	,828	, 126	—0,06
4863	——— 8.9	3	39 19,21	2,317	+, 019	——	3	—58 32 26,67	,828	, 110	——
4864	187 Urs. Maj. 7.8	3	39 20,92	3,529	—, 040	—,003	4	+44 47 54,28	,829	, 164	— ,10
4865	Navis 8	3	39 26,08	2,316	+, 020	——	3	—58 37 17,06	,832	, 110	——
4866	Hydræ 7.8	2	39 30,96	2,947	+, 004	+,022	4	—14 45 22,38	,834	, 140	— ,06
4867	Navis 7.8	3	39 39,63	2,520	+, 018	——	3	—50 11 0,51	,839	, 119	——
4868	——— μ 3	15	39 41,41	2,551	+, 018	——	9	—48 32 59,35	,839	, 118	——
4869	——— 8.9	3	39 47,79	2,324	+, 020	——	3	—58 27 9,27	,843	, 108	——
4870	111 Leo. Min. 6	3	39 50,39	3,338	—, 022	+,003	4	+30 17 13,28	,844	, 149	— ,07
4871	Navis 7	3	39 57,97	2,286	+, 020	——	3	—59 44 4,94	,848	, 107	——
4872	——— 8.9	3	40 0,43	2,243	+, 020	——	3	—61 4 24,77	,849	, 106	——
4873	——— 6	3	40 19,53	2,399	+, 019	——	3	—55 53 19,45	,858	, 111	——
4874	53 Leonis l 6	8	40 34,70	3,163	—, 009	+,005	5	+11 25 0,06	,866	, 141	— ,07
4875	119 Sextantis 7	2	40 41,72	3,005	—, 001	+,001	4	— 8 13 44,49	,870	, 138	— ,14
4876	Navis 7.8	3	40 42,61	2,387	+, 019	——	3	—56 27 23,89	,871	, 110	——
4877	44 Leo. Min. 6	6	40 48,65	3,321	—, 021	+,018	5	+28 50 35,81	,874	, 147	+ ,06
4878	40 Sextantis p 6	6	40 55,49	3,046	—, 002	+,017	4	— 3 9 11,38	,876	, 139	— ,05
4879	Urs. Maj r 6	3	40 57,83	3,860	—, 076	+,002	4	+60 11 39,08	,878	, 180	— ,03
4880	189 —— —— 6	3	40 57,91	3,779	—, 068	+,006	4	+57 27 13,44	,878	, 176	— ,02
4881	Navis 7	4	41 1,78	2,386	+, 019	——	4	—56 35 51,92	,880	, 109	——
4882	Antl. Pneum. 7	3	41 8,44	2,841	+, 011	——	3	—27 2 50,95	,883	, 129	——
4883	Navis 9	2	41 16,86	2,299	+, 020	——	2	—59 44 53,27	,887	, 106	——
4884	——— 7.8	3	41 18,86	2,322	+, 020	——	3	—59 0 20,11	,887	, 107	——
4885	4 Hyd. & Crat. ν 4	8	41 29,33	2,948	+, 004	+,015	5	—15 19 55,46	,894	, 134	+ ,14
4886	Navis 7	3	41 32,78	2,592	+, 018	——	3	—46 52 49,96	,896	, 118	——
4887	——— 6.7	3	41 39,31	2,324	+, 020	——	3	—59 2 55,81	,902	, 106	——
4888	Antl. Pneum. 7.8	3	41 51,62	2,718	+, 017	——	3	—38 17 59,93	,904	, 123	——
4889	Sextantis 8	4	41 57,86	3,007	+, 003	+,029	3	— 8 7 8,17	,907	, 136	— ,11
4890	Navis 7	3	42 1,35	2,389	+, 020	——	3	—56 48 7,81	,908	, 107	——
4891	41 Sextantis r 6	6	42 1,66	3,008	+, 003	+,007	8	— 8 1 31,60	,909	, 136	— ,08
4892	Navis 7.8	3	42 3,04	2,676	+, 018	——	3	—41 29 51,49	,909	, 121	——
4893	——— 7.8	3	42 12,57	2,320	+, 021	——	3	—59 21 10,51	,914	, 105	——
4894	Antl. Pneum. τ 6.7	3	42 17,27	2,780	+, 014	—,004	4	—33 11 12,50	,916	, 124	+ ,05
4895	227 Leonis 7	3	42 25,57	3,106	—, 005	+,017	4	+ 4 27 46,14	,921	, 135	— ,04
4896	Navis 8.9	3	42 25,62	2,344	+, 021	——	3	—58 34 32,50	,921	, 105	——
4897	193 Urs. Maj. 7.8	2	42 33,33	3,669	—, 057	+,009	8	+53 26 23,09	,923	, 167	— ,05
4898	194 —— —— 7	3	42 35,51	3,667	—, 057	+,007	1	+53 22 45,19	,924	, 167	— ,06
4899	Hyd. & Crat. 7	7	42 40,91	3,009	+, 003	+,009	1	— 8 0 58,85	,927	, 135	— ,23
4900	Antl. Pneum. 7	3	42 46,50	2,784	+, 014	+,011	4	—32 58 1,42	,930	, 123	— ,03
4901	Navis 7.8	3	42 53,56	2,352	+, 021	——	3	—58 27 5,70	,934	, 105	——
4902	Hydræ b^2 7	3	43 1,96	2,932	+, 006	+,010	4	—17 27 34,94	,938	, 130	— ,01
4903	Sextantis 8	4	43 22,43	3,009	+, 002	+,021	4	— 7 59 32,66	,948	, 135	— ,06
4904	197 Urs. Maj. 6	3	43 31,98	3,707	—, 063	—,012	4	+55 27 34,20	,953	, 167	— ,11
4905	Leonis 8.9	4	43 34,63	3,135	—, 007	+,023	3	+ 8 20 10,89	,953	, 134	— ,17

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4906	121 Leo. Min. 7	3	10 43 46,04	+3,310	—,00021	+,016	4	+28 44 13,82	18,958	—,00140	—,011
4907	46 ——— o 4.5	12	44 3,92	3,377	—, 027	+,012	15	+35 6 8,12	,968	, 144	— ,29
4908	45 Urs.Maj. ω 5	12	44 27,30	3,490	—, 038	+,016	5	+44 3 59,27	,979	, 150	+ ,06
4909	Navis 7.8	3	44 28,26	2,348	+, 022	——	3	—59 5 0,52	,979	, 102	——
4910	——— 6.7	3	44 43,03	2,587	+, 020	——	3	—48 16 52,71	,986	, 112	——
4911	Navis 8.9	3	44 49,05	2,358	+, 022	——	3	—58 52 10,54	,989	, 102	——
4912	——— 6.7	3	45 4,79	2,425	+, 021	——	3	—56 23 51,12	,996	, 104	——
4913	——— 7	4	45 8,28	2,475	+, 021	——	4	—54 15 49,50	,997	, 106	——
4914	——— 7	6	45 8,37	2,403	+, 021	——	6	—57 15 49,19	,997	, 103	——
4915	——— 8.9	3	45 16,21	2,638	+, 019	——	3	—45 20 30,55	19,000	, 114	——
4916	Navis 7.8	7	45 18,10	2,398	+, 021	——	7	—57 32 26,85	,002	, 102	——
4917	Antl. Pneum. 6.7	4	45 21,83	2,775	+, 015	——	4	—34 36 47,26	,003	, 119	——
4918	6 Hyd. & Crat. b^3 5.6	7	45 25,67	2,922	+, 007	+,013	13	—19 15 7,91	,006	, 125	— ,30
4919	126 Leo. Min. 6.7	2	45 43,60	3,282	—, 019	—,003	4	+26 22 0,88	,015	, 135	— ,05
4920	Navis 7.8	3	45 45,12	2,406	+, 021	——	3	—57 22 36,97	,016	, 102	——
4921	Navis 6	3	45 46,81	2,431	+, 021	——	3	—56 21 53,67	,017	, 103	——
4922	127 Leo. Min. 6.7	4	45 46,83	3,368	—, 027	+,008	4	+34 54 48,55	,017	, 139	— ,10
4923	Antl. Pneum. 7.8	3	46 2,49	2,812	+, 013	——	3	—31 26 58,77	,023	, 118	——
4924	Hydræ 7.8	3	46 4,92	2,865	+, 010	——	3	—25 52 10,70	,024	, 121	——
4925	244 Leonis 7	3	46 11,98	3,121	—, 006	+,019	4	+ 6 43 28,42	,027	, 128	— ,05
4926	Antl. Pneum. 6.7	3	46 19,93	2,769	+, 016	——	3	—35 34 48,61	,030	, 116	——
4927	Navis 7.8	3	46 25,63	2,422	+, 021	——	3	—56 56 46,26	,034	, 102	——
4928	Hydræ 7.8	7	46 25,71	2,923	+, 007	—,005	7	—19 21 27,66	,034	, 123	— ,08
4929	Leo. Min. t 6	3	46 35,03	3,359	—, 026	+,010	4	+34 23 9,50	,038	, 138	— ,09
4930	Navis 7.8	5	46 36,71	2,558	+, 020	——	4	—50 37 20,87	,040	, 107	——
4931	54 Leonis 4.5	13	46 40,09	3,273	—, 019	+,005	15	+25 37 40,07	,041	, 133	— ,09
4932	Urs. Maj. 7	3	46 41,11	3,516	—, 043	—,004	3	+46 38 51,64	,041	, 147	— ,04
4933	Navis	3	46 43,21	2,398	+, 022	——	3	—58 1 1,34	,042	, 100	——
4934	Urs. Maj. 7	4	46 48,01	3,461	—, 037	+,009	4	+42 53 24,88	,045	, 143	— ,09
4935	Arg. in Car. u 5	15	46 48,86	2,400	+, 022	——	5	—57 58 42,46	,045	, 100	——
4936	Antl. Pneum. 7	3	47 0,97	2,745	+, 018	——	3	—37 52 39,12	,050	, 114	——
4937	130 Leo. Min. 7	2	47 8,82	3,215	—, 013	+,031	4	+19 1 51,31	,053	, 130	— ,02
4938	55 Leonis u 5	5	47 13,17	3,083	—, 003	+,022	5	+ 1 36 54,68	,055	, 125	— ,05
4939	——— 8.9	4	47 21,15	3,134	—, 007	+,017	3	+ 8 33 29,33	,059	, 125	— ,12
4940	250 ——— 6.7	4	47 22,94	3,250	—, 016	—,001	4	+23 13 47,47	,061	, 131	— ,04
4941	56 Leonis 7	5	47 27,31	3,123	—, 006	+,009	5	+ 7 3 51,72	,062	, 125	— ,05
4942	50 Leo. Min. 6	5	47 36,61	3,277	—, 019	+,013	5	+26 22 45,83	,066	, 131	— ,05
4943	Navis 8.9	3	47 41,18	2,317	+, 023	——	3	—61 9 51,60	,069	, 096	——
4944	57 Leonis 7	5	47 42,69	3,080	—, 003	+,009	3	+ 1 18 42,79	,070	, 124	— ,03
4945	Navis 7	3	47 43,81	2,484	+, 022	——	3	—54 44 27,77	,071	, 102	——
4946	Navis 7	3	47 45,15	2,507	+, 022	——	3	—53 40 56,14	,071	, 103	——
4947	Centauri 7.8	3	48 0,45	2,697	+, 020	——	3	—42 8 33,23	,077	, 111	——
4948	Navis 6.7	3	48 2,30	2,328	+, 023	——	3	—60 56 53,32	,077	, 096	——
4949	Antl. Pneum. 6.7	4	48 4,12	2,824	+, 013	——	4	—30 54 25,77	,078	, 115	——
4950	Navis 8	2	48 14,66	2,548	+, 021	——	2	—51 46 28,28	,083	, 104	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
4951	Navis 7.8	3	10 48 27,04	+2,522	+,00022	——	3	—53 12 2,98	19,089	—,00103	——
4952	—— 6.7	3	48 43,20	2,372	+, 023	——	3	—59 38 30,66	,097	, 095	——
4953	—— 7	3	48 55,41	2,630	+, 021	——	3	—47 12 41,45	,102	, 107	——
4954	Antl. Pneum. 5	12	49 2,60	2,772	+, 016	—,004	5	—36 15 8,68	,105	, 112	—0,20
4955	Navis 7	3	49 30,09	2,444	+, 023	——	3	—57 10 17,07	,117	, 098	——
4956	Navis 7.8	2	49 35,64	2,383	+, 024	——	2	—59 34 20,81	,119	, 095	——
4957	257 Leonis 6.7	3	49 47,74	3,222	—, 013	+,018	4	+20 30 13,19	,125	, 124	— ,05
4958	—— 8	4	49 49,89	3,237	—, 015	+,030	4	+22 23 24,44	,126	, 125	— ,11
4959	Antl. Pneum. 7.8	3	49 51,57	2,768	+, 017	——	3	—36 57 42,49	,126	, 110	——
4960	Navis 8	3	50 4,72	2,351	+, 024	——	3	—60 49 42,00	,132	, 094	——
4961	206 Urs. Maj. 6	3	50 12,06	3,423	—, 033	—,022	4	+41 18 35,85	,135	, 134	+ ,06
4962	Cantauri 7.8	3	50 15,61	2,670	+, 020	——	3	—44 59 41,22	,136	, 106	——
4963	208 Urs. Maj. 7	3	50 19,01	3,372	—, 028	+,006	4	+36 58 37,57	,138	, 131	— ,12
4964	Centauri 7.8	3	50 27,64	2,722	+, 019	——	3	—41 9 27,21	,142	, 108	——
4965	Leonis 8	4	50 55,70	3,147	—, 008	+,008	4	+10 48 48,04	,155	, 119	— ,06
4966	Antl. Pneum. 7.8	3	50 57,96	2,768	+, 017	——	3	—37 19 13,34	,155	, 108	——
4967	263 Leonis 7	3	51 3,72	3,159	—, 009	—,004	4	+12 35 12,13	,157	, 119	— ,01
4968	Navis 7	3	51 6,51	2,416	+, 024	——	3	—58 51 3,05	,158	, 094	——
4969	—— 7.8	3	51 7,93	2,508	+, 023	——	3	—54 54 5,45	,159	, 097	——
4970	Antl. Pneum. 8	2	51 20,09	2,805	+, 015	——	2	—33 59 36,53	,164	, 109	——
4971	100 Antl. Pneum. 6	3	51 26,88	2,817	+, 015	+,005	4	—32 51 9,41	,168	, 109	— ,06
4972	Urs. Maj. L 6	3	51 34,36	3,402	—, 031	—,002	4	+40 5 47,96	,170	, 131	— ,01
4973	7 Hyd. & Crat. α 4	12	51 44,47	2,948	+, 008	—,024	5	—17 25 18,21	,176	, 114	+ ,10
4974	Navis 7.8	3	51 44,73	2,464	+, 024	——	3	—57 6 32,84	,176	, 094	——
4975	48 Urs. Maj. β 2	11	51 50,07	3,681	—, 066	+,010	10	+57 15 53,73	,177	, 145	— ,01
4976	Navis 6.7	6	52 1,02	2,559	+, 023	——	6	—52 39 25,88	,182	, 099	——
4977	58 Leonis d 5	11	52 2,28	3,102	—, 004	+,008	5	+ 4 30 6,56	,183	, 116	— ,10
4978	Antl. Pneum. 7	3	52 3,10	2,805	+, 015	——	3	—34 15 34,35	,183	, 108	——
4979	59 Leonis o 5.6	7	52 11,62	3,119	—, 006	+,006	5	+ 6 59 9,45	,187	, 116	— ,09
4980	Navis 8	3	52 19,98	2,441	+, 024	——	3	—58 17 9,49	,190	, 092	——
4981	Centauri 6.7	3	52 30,53	2,710	+, 020	——	3	—42 55 25,66	,195	, 103	——
4982	—— z¹ 6	3	52 36,05	2,730	+, 019	+,011	4	—41 20 29,38	,196	, 103	— ,02
4983	Leonis 7	3	52 37,12	3,077	—, 002	+,026	4	+ 0 55 52,40	,196	, 115	— ,07
4984	Navis 7	3	52 37,21	2,388	+, 025	——	3	—60 26 13,97	,196	, 090	——
4985	—— 7.8	3	52 40,52	2,561	+, 023	——	3	—52 48 18,56	,198	, 096	——
4986	Leonis 8.9	8	52 42,45	3,181	—, 011	+,008	9	+15 54 32,68	,199	, 116	— ,32
4987	Antl. Pneum. σ 6.7	3	52 51,77	2,839	+, 014	+,009	4	—30 57 36,33	,204	, 106	+ ,01
4988	Navis 7	3	52 58,13	2,596	+, 022	——	3	—50 56 1,17	,206	, 097	——
4989	—— 7.8	2	53 5,22	2,359	+, 025	——	2	—61 36 0,49	,209	, 088	——
4990	Urs. Maj. 7	3	53 7,01	3,811	—, 085	,000	3	+62 32 33,13	,209	, 143	— ,14
4991	Antl. Pneum. 7	4	53 18,02	2,753	+, 019	——	4	—39 36 48,77	,215	, 103	——
4992	Navis 7.8	2	53 22,24	2,597	+, 022	——	2	—51 3 44,46	,216	, 096	——
4993	61 Leonis s 5.6	6	53 24,88	3,060	—, 002	+,019	8	— 1 35 50,55	,218	, 116	— ,04
4994	50 Urs. Maj. α 1.2	46	53 28,80	3,811	—, 085	—,016	66	+62 38 23,37	,220	, 143	— ,09
4995	Navis 7	3	53 29,23	2,577	+, 023	——	3	—52 13 40,07	,220	, 096	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
4996	60 Leonis b 5	11	10 53 30,72	+3,218	—,00010	+,010	5	+21 3 47,90	19,220	—,00117	—0,05
4997	Navis 8.9	6	53 35,05	2,457	+, 025	——	6	—58 5 55,00	,221	, 091	——
4998	—— 7.8	3	53 38,99	2,596	+, 022	——	3	—51 11 24,08	,223	, 096	——
4999	Leonis 7.8	4	53 56,82	3,138	—, 007	+,008	4	+10 3 32,39	,231	, 113	— ,01
5000	—— 8	4	54 6,21	3,076	—, 002	+,017	4	+ 0 47 28,47	,234	, 112	— ,08
5001	Navis 8	3	54 21,89	2,513	+, 025	——	3	—55 52 52,63	,241	, 092	——
5002	8 Hyd. & Cart. ν 6	6	54 25,91	2,887	+, 011	+,021	5	—25 56 22,28	,242	, 106	— ,14
5003	278 Leonis 7.8	3	54 33,78	3,060	—, 002	+,009	3	— 1 44 51,95	,245	, 113	+ ,02
5004	Centauri 8	3	54 37,89	2,737	+, 020	——	3	—41 36 42,05	,248	, 100	——
5005	Leonis 7	6	54 48,29	3,071	—, 002	+,005	5	+ 0 8 20,62	,252	, 110	— ,19
5006	136 Leo. Min. 7	3	54 50,92	3,259	—, 019	+,008	4	+26 39 40,12	,254	, 116	+ ,04
5007	Navis 7	3	54 53,37	2,417	+, 026	——	3	—60 9 47,09	,255	, 090	——
5008	62 Leonis p¹ 6	2	55 10,04	3,077	—, 002	+,003	5	+ 0 53 9,96	,260	, 110	— ,08
5009	216 Urs. Maj. 6	4	55 19,59	3,374	—, 030	+,017	4	+39 7 42,25	,265	, 121	— ,01
5010	Hydræ 7	3	55 20,18	2,884	+, 012	——	3	—26 37 50,64	,266	, 104	——
5011	Antl. Pneum. 7.8	3	55 25,32	2,847	+, 014	——	3	—31 4 21,55	,268	, 102	——
5012	282 Leonis 6.7	3	55 28,62	3,100	—, 004	+,010	3	+ 4 31 33,98	,269	, 109	— ,08
5013	Urs. Maj. 8	4	55 32,42	3,373	—, 030	—,001	3	+39 8 2,71	,269	, 120	+ ,01
5014	Leonis 8	3	55 34,45	3,076	—, 002	+,011	4	+ 0 51 24,71	,270	, 109	— ,10
5015	Navis 9	3	55 37,72	2,550	+, 025	——	3	—54 33 30,85	,272	, 090	——
5016	284 Leonis 7	3	55 53,16	3,069	—, 002	+,016	4	— 0 23 24,12	,279	, 111	— ,03
5017	—— 7.8	4	55 53,30	3,160	—, 010	+,002	4	+13 33 18,51	,279	, 110	— ,04
5018	Antl. Pneum. 7	3	56 3,63	2,836	+, 015	——	3	—32 33 19,24	,282	, 101	——
5019	Leonis 8	2	56 18,99	3,061	—, 002	+,009	4	— 1 37 25,76	,289	, 110	— ,08
5020	Navis 7.8	6	56 19,15	2,438	+, 027	——	6	—59 57 14,34	,289	, 085	——
5021	Navis 7	3	56 20,82	2,435	+, 027	——	3	—60 1 23,76	,290	, 085	——
5022	138 Leo. Min. 7.8	3	56 26,39	3,250	—, 018	—,019	3	+26 5 36,62	,292	, 112	— ,05
5023	Navis 7	3	56 28,46	2,414	+, 027	——	5	—60 52 ——	,292	, 086	——
5024	—— 7.8	2	56 29,61	2,628	+, 023	——	2	—50 27 55,85	,293	, 092	——
5025	63 Leonis x 4.5	11	56 30,29	3,124	—, 006	—,008	15	+ 8 13 35,67	,293	, 107	— ,10
5026	Antl. Pneum. 7.8	3	56 32,20	2,807	+, 017	——	3	—35 50 2,62	,294	, 099	——
5027	Navis 8	3	56 33,81	2,633	+, 023	——	3	—50 8 31,25	,294	, 092	——
5028	Centauri 7	6	56 48,52	2,746	+, 020	——	6	—41 47 20,90	,300	, 096	——
5029	Urs. Maj. 7.8	3	56 49,66	3,631	—, 064	+,010	4	+56 58 53,40	,301	, 131	— ,03
5030	Navis 7	3	56 53,49	2,583	+, 024	——	3	—53 18 34,42	,302	, 090	——
5031	Navis 7.8	4	56 59,10	2,493	+, 027	——	4	—57 52 37,80	,305	, 086	——
5032	—— 6	3	57 2,85	2,511	+, 027	——	3	—57 4 3,72	,306	, 088	——
5033	Centauri 6	3	57 7,33	2,685	+, 022	——	3	—46 47 30,74	,307	, 093	——
5034	Antl. Pneum. x 6	3	57 7,75	2,818	+, 017	——	3	—34 54 58,31	,307	, 098	——
5035	Navis 7.8	6	57 16,77	2,605	+, 024	——	6	—52 13 12,31	,311	, 090	——
5036	Antl. Pneum. 7	2	57 18,32	2,866	+, 014	——	2	—29 32 47,71	,312	, 099	——
5037	9 Hyd. & Crat. x¹ 5	17	57 23,78	2,892	+, 012	—,006	4	—26 24 15,85	,314	, 101	— ,05
5038	—— —— x² 5.6	3	57 58,26	2,894	+, 012	+,003	4	—26 23 49,69	,328	, 101	— ,05
5039	Leonis 7.8	3	58 1,48	3,174	—, 011	+,007	4	+16 4 22,79	,329	, 105	— ,04
5040	—— 8	—	58 ——	3,122	—, 006	——	3	+ 8 1 38,55	,329	, 104	+ ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
5041	Leonis 7	3	10 58 6,89	+3,088	—,00003	+,016	2	+ 2 46 18,18	19,331	—,00104	—0,06
5042	Leo. Min. p 7	3	58 12,08	3,248	—, 019	+,006	4	+26 25 42,23	,334	, 109	— ,01
5043	Centauri 7	3	58 14,59	2,761	+, 020	——	3	—41 1 3,92	,335	, 094	——
5044	—— 7	3	58 18,45	2,696	+, 023	——	3	—46 33 7,74	,336	, 091	——
5045	65 Leonis p² 5.6	7	58 29,22	3,089	—, 003	—,019	5	+ 2 51 0,91	,340	, 103	— ,19
5046	Leonis 7.8	4	58 36,25	3,140	—, 008	+,018	4	+11 6 11,37	,343	, 104	— ,11
5047	Hydræ 7	2	58 42,14	2,884	+, 013	——	2	—27 50 8,67	,345	, 098	——
5048	293 Leonis 6.7	3	58 49,20	3,230	—, 016	+,012	4	+24 12 51,01	,348	, 106	— ,05
5049	Antl. Pneum. 7	3	58 57,66	2,870	+, 014	——	3	—29 39 42,02	,351	, 097	——
5050	Centauri 7	3	59 7,86	2,652	+, 024	——	3	—50 4 0,23	,355	, 088	——
5051	Navis 8	6	59 14,79	2,616	+, 025	——	8	—52 22 51,29	,358	, 086	——
5052	Urs. Maj. 7.8	7	59 19,06	3,571	—, 059	+,012	8	+55 2 36,71	,359	, 122	— ,16
5053	Navis 9.10	3	59 26,39	2,623	+, 025	——	3	—52 3 34,22	,363	, 086	——
5054	—— 7	3	59 30,53	2,517	+, 027	——	3	—57 47 4,25	,364	, 082	——
5055	Centauri z² 6	3	59 39,51	2,760	+, 021	—,008	3	—41 44 58,90	,367	, 091	— ,07
5056	Navis z¹ 6	3	59 49,61	2,431	+, 028	——	3	—61 31 59,33	,372	, 080	——
5057	Leonis 7	4	59 51,62	3,071	—, 001	+,031	4	— 1 0 39,55	,372	, 103	— ,04
5058	67 —— 6	6	59 57,31	3,237	—, 018	+,008	5	+25 33 0,27	,374	, 105	— ,06
5059	—— 7	4	59 57,51	3,184	—, 012	+,011	4	+18 6 0,45	,374	, 102	— ,13
5060	Antl. Pneum. 6.7	3	11 0 4,67	2,877	+, 014	——	3	—29 16 35,56	,376	, 095	——
5061	Urs. Maj. 6.7	5	0 6,90	3,564	—, 059	+,010	4	+54 59 55,54	,377	, 120	— ,04
5062	Centauri 7	5	0 7,36	2,691	+, 023	——	8	—47 44 57,17	,377	, 087	——
5063	220 Urs. Maj. 6.7	3	0 13,64	3,333	—, 028	+,012	4	+37 12 9,77	,380	, 109	— ,08
5064	Antl. Pneum. 7	3	0 19,02	2,880	+, 013	——	3	—29 4 46,42	,382	, 095	——
5065	52 Urs. Maj. ψ 3.4	12	0 21,51	3,420	—, 039	—,011	5	+45 23 31,84	,383	, 114	— ,09
5066	222 Urs. Maj. 7	3	0 22,64	3,404	—, 037	—,002	4	+44 6 1,94	,384	, 113	,00
5067	Hydræ 7	2	0 42,84	2,883	+, 013	——	2	—28 51 14,11	,390	, 095	——
5068	10 Hyd. & Crat. 5	12	0 45,78	2,895	+, 012	—,001	5	—27 11 14,81	,391	, 096	— ,05
5069	66 Leonis p³ 7	7	0 48,38	3,068	—, 001	+,010	5	— 0 26 24,52	,392	, 102	,00
5070	Navis 7	3	0 55,14	2,643	+, 025	——	3	—51 29 53,49	,395	, 084	——
5071	Navis z² 6	2	1 34,21	2,530	+, 028	——	2	—58 4 57,20	,409	, 080	——
5072	—— 7.8	3	1 35,64	2,568	+, 027	——	3	—56 10 22,87	,410	, 082	——
5073	—— x 6.7	3	1 43,68	2,463	+, 029	——	3	—61 3 15,28	,413	, 079	——
5074	223 Urs. Maj. 7	4	1 53,98	2,551	—, 053	+,005	4	+55 2 28,94	,417	, 115	— ,06
5075	301 Leonis 7.8	3	1 56,28	3,123	—, 006	+,011	4	+ 8 47 8,54	,418	, 096	— ,03
5076	Navis 8	3	1 57,50	2,475	+, 029	——	3	—60 39 58,58	,418	, 083	——
5077	Antl. Pneum. β 6.7	3	1 58,06	2,866	+, 015	—,010	4	—31 28 23,30	,419	, 093	— ,12
5078	Hydræ 6	3	2 1,74	2,886	+, 013	——	3	—28 54 2,05	,420	, 094	——
5079	Navis 7	3	2 26,19	2,617	+, 026	——	3	—53 49 15,10	,429	, 081	——
5080	Antl. Pneum. 7	7	2 31,95	2,837	+, 017	——	7	—35 12 5,70	,431	, 090	——
5081	Navis 8	3	2 38,05	2,542	+, 028	——	3	—57 56 39,35	,433	, 077	——
5082	Antl. Pneum. 7.8	3	2 40,37	2,867	+, 015	+,001	4	—31 40 8,33	,433	, 091	— ,02
5083	Leonis 7	6	3 4,29	3,161	—, 010	+,003	5	+15 17 44,41	,442	, 095	— ,06
5084	Leo. Min. 7	4	3 10,73	3,325	—, 029	—,006	5	+37 47 13,35	,446	, 103	— ,16
5085	Centauri 7	3	3 11,22	2,697	+, 024	——	3	—48 45 30,60	,446	, 081	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
5086	Antl. Pneum.	7.8	3	11 3 11,97	+2,838	+,00017	—	3	—35 19 48,26	19,446	—,00087	—
5087	11 Hyd. & Crat. β	4	12	3 33,27	2,940	+, 009	+,006	10	—21 55 33,99	,452	, 092	—0,15
5088	Navis	8	3	3 42,31	2,518	+, 030	—	3	—59 29 21,98	,455	, 072	—
5089	———	7	7	3 49,16	2,560	+, 028	—	4	—57 33 38,30	,457	, 073	—
5090	Hydræ	6.7	6	3 56,03	2,914	+, 012	—	6	—25 54 39,95	,461	, 090	—
5091	Centauri	8	6	3 57,37	2,695	+, 025	—	6	—49 16 25,12	,461	, 079	—
5092	Navis	8	3	4 2,94	2,632	+, 027	—	3	—53 39 43,07	,463	, 078	—
5093	Urs. Maj.	7.8	2	4 3,72	3,512	—, 056	+,014	4	+53 44 50,72	,463	, 110	— ,05
5094	Antl. Pneum.	7	6	4 18,62	2,874	+, 015	—	6	—31 32 18,05	,469	, 086	—
5095	Hydræ	7	3	4 20,20	2,894	+, 014	—	3	—28 53 11,21	,470	, 088	—
5096	Navis	7	6	4 31,70	2,527	+, 030	—	3	—59 28 55,34	,473	, 072	—
5097	Centauri	6.7	3	4 35,03	2,747	+, 023	—	3	—45 22 15,31	,474	, 080	—
5098	Navis	7	3	4 38,96	2,527	+, 030	—	4	—59 32 51,95	,475	, 072	—
5099	———	7	3	4 56,25	2,571	+, 029	—	3	—57 31 38,95	,482	, 073	—
6000	305 Leonis	7	3	5 0,53	3,193	—, 013	—,013	4	+21 1 50,38	,483	, 093	— ,25
6001	Urs. Maj.	7.8	4	5 1,39	3,506	—, 056	+,014	4	+53 50 43,29	,483	, 107	+ ,02
6002	Centauri	6	3	5 3,29	2,716	+, 025	—	3	—48 12 21,65	,484	, 078	—
6003	Hydræ	7	3	5 9,60	2,919	+, 012	—	3	—25 34 8,31	,486	, 087	—
6004	69 Leonis p⁴	5.6	9	5 19,47	3,075	—, 001	+,025	5	+ 0 49 37,13	,490	, 089	— ,07
6005	68 ——— δ	3	12	5 19,73	3,195	—, 014	+,031	26	+21 25 36,95	,491	, 092	— ,16
6006	Centauri	6.7	3	5 25,58	2,710	+, 025	—	3	—48 50 22,41	,492	, 077	—
6007	Leonis	6.7	9	5 27,32	3,121	—, 006	+,014	5	+ 8 57 44,59	,493	, 089	— ,10
6008	Navis	6	2	5 32,58	2,538	+, 030	—	2	—59 25 14,13	,494	, 070	—
6009	70 Leonis θ	3	13	5 34,56	3,163	—, 011	+,008	10	+16 19 49,93	,495	, 090	— ,09
6010	Centauri	7	4	5 48,06	2,708	+, 025	—	4	—49 13 31,82	,499	, 075	—
6011	Leonis	8.9	5	5 52,84	3,081	—, 002	+,019	4	+ 1 47 6,17	,502	, 089	— ,02
6012	Hyd. & Crat.	7.8	2	5 58,23	2,982	+, 008	+,004	4	—15 59 27,72	,503	, 088	+ ,05
6013	Urs. Maj.	7	3	5 59,29	3,319	—, 030	+,002	4	+38 28 34,20	,504	, 096	— ,08
6014	Leonis	8	3	6 4,63	3,146	—, 009	+,011	1	+13 31 9,66	,506	, 089	— ,09
6015	Navis	8	3	6 11,97	2,523	+, 030	—	2	—60 24 57,37	,509	, 070	—
6016	Navis	7	3	6 15,96	2,668	+, 027	—	3	—52 20 9,82	,509	, 073	—
6017	Centauri	7.8	3	6 21,17	2,689	+, 026	—	3	—50 54 16,46	,511	, 073	—
6018	Navis	6.7	2	6 24,10	2,561	+, 030	—	2	—58 43 18,21	,512	, 070	—
6019	72 Leonis l	5.6	6	6 25,14	3,209	—, 016	+,022	5	+23 59 37,00	,512	, 090	— ,02
6020	Navis	7	3	6 26,25	2,675	+, 027	—	3	—51 57 20,86	,513	, 073	—
6021	Centauri	7	3	6 31,84	2,731	+, 025	—	3	—47 42 11,54	,515	, 075	—
6022	Antl. Pneum.	7	3	7 7,38	2,877	+, 016	—	3	—32 25 17,72	,526	, 080	—
6023	73 Leonis n	5.6	5	7 13,66	3,148	—, 009	+,011	5	+14 11 24,96	,529	, 087	— ,07
6024	322 ———	7	3	7 19,10	3,144	—, 009	+,002	7	+13 30 45,69	,530	, 087	— ,14
6025	———	6	7	7 20,46	3,145	—, 009	+,006	5	+13 44 49,00	,531	, 087	— ,07
6026	Urs. Maj. H	6.7	3	7 21,98	3,439	—, 047	+,007	4	+50 22 29,78	,531	, 099	— ,03
6027	Centauri	7.8	7	7 42,34	2,816	+, 021	—	7	—40 9 31,90	,538	, 074	—
6028	———	7.8	3	7 48,56	2,802	+, 022	—	3	—41 43 7,29	,540	, 074	—
6029	Navis	8	2	7 53,43	2,600	+, 030	—	2	—57 21 39,20	,542	, 068	—
6030	———	8	6	8 3,29	2,603	+, 030	—	6	—57 16 56,82	,545	, 068	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6031	74 Leonis φ 5	13	11 8 16,42	+3,057	—,00001	+,005	6	— 2 45 5,16	19,549	—,00087	—0,21
6032	Centauri 6.7	7	8 20,21	2,819	+, 021	——	6	—40 7 19,10	,551	, 074	——
6033	Antl. Pneum. 7	3	8 24,70	2,872	+, 017	——	3	—33 46 7,41	,552	, 075	——
6034	Navis 7.8	3	8 27,24	2,621	+, 030	——	3	—56 27 23,80	,553	, 067	——
6035	——— 7.8	4	8 29,23	2,610	+, 030	——	4	—57 5 31,15	,553	, 067	——
6036	Hydræ 7.8	3	8 29,90	2,918	+, 013	——	3	—27 13 52,35	,554	, 080	——
6037	Navis 7.8	2	8 37,13	2,657	+, 029	——	2	—54 18 35,17	,555	, 068	——
6038	——— 8	2	8 44,81	2,662	+, 029	——	2	—54 3 6,61	,558	, 068	——
6039	75 Leonis q 5.6	7	8 47,95	3,086	—, 003	+,016	5	+ 2 55 1,03	,559	, 082	— ,17
6040	Centauri 6.7	2	8 48,78	2,775	+, 024	——	2	—44 58 58,74	,559	, 072	——
6041	Leonis 7	2	8 53,66	3,230	—, 019	—,004	4	+28 15 44,32	,561	, 086	+ ,04
6042	Urs. Maj. 7.8	3	9 1,40	3,288	—, 027	+,016	4	+36 20 34,62	,563	, 089	— ,10
6043	Antl. Pneum. 7	3	9 1,83	2,845	+, 019	——	3	—37 30 0,94	,564	, 073	——
6044	Urs. Maj. 7	6	9 19,97	3,346	—, 035	+,023	7	+43 13 5,38	,570	, 091	— ,03
6045	Antl. Pneum. 8.9	3	9 21,28	2,851	+, 019	——	2	—36 55 38,71	,570	, 072	——
6046	53 Urs. Maj. ξ 4	12	9 21,99	3,257	—, 023	—,021	11	+32 27 22,88	,570	, 087	— ,58
6047	54 —— —— ν 4	12	9 32,95	3,268	—, 025	+,003	10	+33 59 36,12	,573	, 087	— ,04
6048	Navis 7	3	9 34,52	2,671	+, 029	——	3	—53 52 25,65	,573	, 066	——
6049	Antl. Pneum. 7	3	9 40,05	2,884	+, 017	——	3	—32 37 53,16	,575	, 074	——
6050	—— —— 7.8	3	9 42,93	2,880	+, 017	——	3	—33 50 11,51	,576	, 073	——
6051	Leonis 7	4	9 44,50	3,137	—, 008	+,015	4	+12 53 12,78	,577	, 081	— ,12
6052	245 Urs. Maj. 7	3	9 49,80	3,285	—, 027	+,018	4	+36 23 22,66	,579	, 087	— ,07
6053	336 Leonis 7	6	9 50,33	3,050	—, 001	+,060	7	— 4 9 35,97	,579	, 083	— ,15
6054	Navis 7	2	10 3,63	2,592	+, 032	——	2	—58 52 9,80	,583	, 063	——
6055	55 Urs. Maj. p 5	14	10 7,10	3,305	—, 029	+,005	6	+39 5 21,80	,584	, 087	— ,18
6056	Crateris 8	3	10 23,19	3,041	—, 001	+,004	3	— 6 0 30,80	,590	, 081	— ,13
6057	76 Leonis 6	7	10 26,97	3,084	—, 003	+,017	5	+ 2 33 15,56	,591	, 079	— ,09
6058	Navis 7.8	7	10 ——	2,607	+, 031	——	7	—58 18 25,78	,593	, 062	——
6059	——— 7.8	8	10 ——	2,607	+, 031	——	9	—58 20 8,55	,593	, 062	——
6060	Urs. Maj. 7	5	10 40,80	3,304	—, 029	—,014	6	+39 0 18,83	,595	, 086	— ,28
6061	Centauri 7	3	10 42,82	2,755	+, 026	——	3	—47 53 10,82	,595	, 066	——
6062	10 Draconis 7	3	10 43,14	3,777	—, 110	+,028	4	+68 0 16,25	,595	, 095	— ,07
6063	12 Hyd. & Crat. δ 3.4	13	11 5,93	3,001	+, 009	,000	6	—13 53 11,11	,603	, 078	+ ,09
6064	Antl. Pneum. 7	5	11 19,56	2,838	+, 021	——	5	—39 35 55,03	,607	, 068	——
6065	Hydræ 7	3	11 22,47	2,924	+, 016	——	3	—27 34 24,70	,608	, 074	——
6066	Crateris 8	4	11 22,98	3,042	+, 001	+,003	6	— 5 59 49,17	,609	, 080	— ,07
6067	Navis 7.8	4	11 26,26	2,633	+, 031	——	6	—57 17 8,13	,610	, 061	——
6068	———	—	11 ——	2,635	+, 031	——	2	—57 15 8,33	,—	, 061	——
6069	Hydræ 6.7	2	11 43,83	2,927	+, 013	——	2	—27 17 8,96	,615	, 073	——
6070	Leonis 7	2	11 45,80	3,163	—, 011	—,004	4	+18 12 51,04	,615	, 077	— ,08
6071	Hydræ 6.7	3	12 16,97	2,928	+, 013	——	3	—27 25 51,75	,626	, 073	——
6072	349 Leonis 7	3	12 28,99	3,099	—, 004	+,011	4	+ 5 47 4,10	,629	, 075	— ,05
6073	Antl. Pneum. 7.8	3	12 30,32	2,904	+, 016	——	3	—31 11 59,59	,629	, 070	——
6074	Navis 8	6	12 35,24	2,644	+, 032	——	6	—57 15 8,20	,630	, 059	——
6075	77 Leonis σ 4	10	12 37,71	3,104	—, 005	+,005	10	+ 6 55 58,21	,631	, 075	+ ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6076	Navis 7.8	3	11 12 43,29	+2,628	+,00032	——	3	—58 17 8,35	19,633	—,00065	——
6077	Centauri 7	3	12 44,75	2,799	+, 025	——	3	—44 49 30,08	,634	, 069	——
6078	353 Leonis 7	3	12 57,78	3,107	—, 005	—,017	4	+ 7 32 17,72	,637	, 074	—,003
6079	Urs. Maj. M 6.7	3	12 59,19	3,661	—, 091	+,001	4	+65 13 53,76	,638	, 088	— ,03
6080	Leonis 8	4	12 59,48	3,094	—, 003	+,006	4	+ 4 50 26,17	,638	, 074	+ ,06
6081	Antl. Pneum. 7.8	3	13 11,65	2,884	+, 018	——	3	—34 37 19,62	,641	, 071	——
6082	Centauri 8	3	13 21,44	2,801	+, 025	——	3	—44 58 57,55	,645	, 068	——
6083	—— π 4	11	13 30,74	2,705	+, 030	——	10	—53 35 17,23	,647	, 065	——
6084	252 Urs. Maj. 6	3	13 44,73	3,333	—, 036	—,005	4	+44 23 12,82	,652	, 080	+ ,01
6085	Navis 7	6	14 21,25	2,606	+, 034	——	6	—60 19 27,84	,663	, 062	——
6086	Leonis 7.8	4	14 34,12	3,094	—, 004	+,012	4	+ 5 2 26,37	,666	, 071	— ,04
6087	Centauri 6.7	3	14 35,99	2,819	+, 024	——	3	—43 44 24,88	,667	, 066	——
6088	358 Leonis 7	3	14 43,15	3,105	—, 005	—,001	4	+ 7 29 27,75	,668	, 071	+ ,05
6089	Hyd. & Crat. 7.8	3	14 45,79	2,977	+, 009	+,015	4	—19 43 15,33	,669	, 070	+ ,05
6090	Hydræ 8	3	14 50,87	2,885	+, 018	—,001	5	—35 20 16,64	,671	, 068	— ,10
6091	Leonis 7	7	14 51,13	3,076	—, 001	+,005	4	+ 1 2 11,99	,671	, 070	— ,06
6092	Centauri 6	1	14 51,90	2,658	+, 033	——	1	—57 40 ——	,671	, 062	——
6093	—— 7.8	4	14 52,40	2,660	+, 033	——	4	—57 28 47,14	,671	, 062	——
6094	13 Hyd. & Crat. λ 6	6	15 11,66	2,987	+, 009	—,016	4	—17 52 26,92	,676	, 070	— ,11
6095	Hydræ χ^1 5.6	3	15 14,30	2,888	+, 018	+,007	4	—35 15 37,08	,677	, 068	— ,10
6096	78 Leonis ι 4	13	15 19,26	3,123	—, 007	+,027	16	+11 26 15,61	,679	, 069	— ,11
6097	Urs. Maj. 7	4	15 23,59	3,374	—, 044	—,001	4	+49 30 37,50	,680	, 078	— ,06
6098	Centauri 7.8	2	15 24,08	2,667	+, 032	——	2	—57 24 41,52	,680	, 062	——
6099	79 Leonis r 5.6	7	15 34,40	3,081	—, 002	+,013	5	+ 2 18 45,00	,683	, 069	— ,13
6100	Centauri 6.7	2	15 39,97	2,692	+, 032	——	2	—55 52 30,13	,684	, 062	——
6101	Hydræ 7.8	3	15 46,06	2,946	+, 013	——	3	—26 3 15,00	,686	, 068	——
6102	—— 7	4	15 48,72	2,890	+, 018	+,015	4	—35 11 2,05	,687	, 067	— ,04
6103	Centauri 9.10	2	15 53,66	2,663	+, 033	——	2	—57 52 58,14	,688	, 061	——
6104	—— 7.8	4	16 13,62	2,674	+, 032	——	4	—57 21 40,17	,693	, 061	——
6105	14 Hyd. & Crat. ε 5	16	16 17,01	3,027	+, 009	+,007	10	— 9 57 17,43	,695	, 070	— ,03
6106	Leonis 6.7	6	16 25,27	3,127	—, 008	+,003	6	+12 20 10,20	,697	, 067	— ,08
6107	Centauri 7	6	16 29,77	2,846	+, 023	——	6	—41 45 49,43	,698	, 065	——
6108	Hydræ 7.8	3	16 29,92	2,905	+, 018	——	3	—33 22 47,60	,698	, 066	——
6109	Urs. Maj. s 6.7	3	16 36,12	3,455	—, 057	—,003	4	+56 45 14,32	,701	, 078	+ ,03
6110	15 Hyd. & Crat. γ 4	10	16 38,92	2,995	+, 009	+,007	9	—16 46 41,88	,701	, 069	— ,01
6111	370 Leonis 7	7	16 40,68	3,100	—, 004	+,007	4	+ 6 38 43,08	,702	, 066	— ,20
6112	Centauri 8.9	3	16 59,13	2,682	+, 032	——	3	—57 16 32,67	,707	, 060	——
6113	371 Leonis 7.8	3	16 59,87	3,202	—, 019	—,008	4	+27 39 10,08	,707	, 069	+ ,04
6114	81 —— 6	6	17 0,10	3,149	—, 004	+,002	6	+17 21 47,76	,707	, 066	— ,03
6115	82 —— 7	5	17 10,39	3,089	—, 003	+,004	5	+ 4 12 32,73	,709	, 066	— ,13
6116	Leonis 8	2	17 11,60	3,100	—, 004	+,014	3	+ 6 39 15,35	,710	, 066	— ,18
6117	80 —— 7	5	17 21,27	3,092	—, 003	+,004	5	+ 4 46 4,79	,713	, 065	,00
6118	267 Hydræ 6	2	17 30,62	2,897	+, 019	+,002	4	—35 9 28,33	,715	, 063	— ,05
6119	—— 7	3	17 34,85	2,887	+, 020	——	3	—36 50 26,79	,716	, 063	——
6120	Centauri 8	5	17 38,05	2,852	+, 023	——	6	—41 45 57,61	,717	, 062	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6121	376 Leonis 7	3	11 17 45,44	+3,112	—,00006	+,014	4	+ 9 33 59,06	19,719	—,00065	—0,09
6122	Centauri 7.8	2	17 52,70	2,827	+, 025	——	2	—44 58 23,90	,721	, 061	——
6123	382 Leonis 6.7	6	18 24,00	3,087	—, 002	—,047	10	+ 3 54 42,13	,729	, 065	+ ,06
6124	——— 7	6	18 25,11	3,087	—, 002	—,052	5	+ 3 54 17,96	,730	, 065	+ ,12
6125	Centauri 8.9	9	18 35,04	2,680	+, 034	——	9	—58 26 45,92	,732	, 057	——
6126	Centauri 9.10	3	18 45,50	2,702	+, 033	——	3	—57 1 7,45	,734	, 057	——
6127	16 Hyd. & Crat. κ 6	6	18 51,34	3,023	+, 005	+,005	5	—11 27 3,13	,737	, 064	— ,02
6128	Centauri 6.7	3	19 7,62	2,765	+, 030	——	3	—52 15 13,72	,741	, 059	——
6129	Hyd. & Crat. 6.7	3	19 12,02	3,023	+, 005	+,019	4	—11 31 34,45	,742	, 064	— ,08
6130	Centauri 6.7	9	19 12,38	2,657	+, 036	——	11	—60 12 28,49	,742	, 056	——
6131	84 Leonis τ 4	14	19 27,23	3,086	—, 001	+,014	13	+ 3 45 51,32	,746	, 064	— ,07
6132	——— 6.7	3	19 27,33	3,125	—, 007	—,009	4	+12 52 50,75	,746	, 064	— ,08
6133	——— 7	5	19 28,23	3,068	, 000	+,011	5	— 0 47 32,23	,746	, 064	,00
6134	Hydræ 7	2	19 28,49	2,962	+, 012	——	2	—24 57 16,76	,746	, 062	——
6135	260 Urs. Maj. 6.7	3	19 35,18	3,525	—, 075	—,015	4	+62 40 28,40	,747	, 072	+ ,17
6136	Centauri 7.8	3	19 36,47	2,657	+, 036	——	3	—60 27 43,99	,748	, 055	——
6137	389 Leonis 7	3	19 37,05	3,071	, 000	+,010	4	+ 0 0 38,67	,748	, 063	— ,05
6138	392 ——— 7.8	2	19 57,76	3,086	—, 001	+,008	4	+ 3 41 38,30	,753	, 063	— ,16
6139	Hydræ 7.8	3	20 7,54	2,902	+, 020	——	3	—36 10 40,93	,756	, 059	——
6140	262 Urs. Maj. 6	3	20 9,82	3,267	—, 029	+,003	4	+40 14 39,22	,756	, 066	+ ,01
6141	Centauri 8	3	20 12,46	2,677	+, 036	——	3	—59 35 18,11	,757	, 055	——
6142	——— 7	3	20 20,35	2,706	+, 035	——	3	—57 46 12,79	,759	, 055	——
6143	——— 7.8	6	20 31,81	2,787	+, 030	——	6	—51 8 35,74	,762	, 056	——
6144	——— 7.8	2	20 33,68	2,843	+, 025	——	2	—44 51 59,88	,763	, 057	——
6145	25 ——— 6	2	20 39,52	2,867	+, 023	+,005	4	—41 45 59,67	,764	, 058	— ,15
6146	395 Leonis 7	4	20 58,23	3,071	, 000	+,004	4	+ 0 3 33,44	,769	, 058	+ ,07
6147	Centauri 7	3	20 58,73	2,759	+, 032	——	3	—53 58 27,67	,769	, 054	——
6148	——— 7.8	3	21 1,47	2,719	+, 035	——	3	—57 14 2,07	,769	, 054	——
6149	85 Leonis 6	8	21 5,92	3,137	—, 010	+,021	5	+16 19 27,00	,771	, 059	— ,07
6150	395 ——— 7.8	2	21 7,30	3,089	—, 002	+,007	4	+ 4 41 46,01	,771	, 058	— ,05
6151	Leonis G 7	3	21 8,63	3,105	—, 004	+,006	4	+ 8 30 31,35	,771	, 058	— ,07
6152	Centauri 9.10	7	21 12,56	2,718	+, 035	——	10	—57 29 8,78	,772	, 054	——
6153	Hydræ 6.7	2	21 28,21	2,956	+, 014	——	2	—27 7 17,24	,775	, 057	——
6154	1 Draconis λ 3.4	11	21 30,12	3,693	—, 116	—,019	10	+70 14 26,96	,776	, 070	— ,03
6155	Centauri 7	3	21 31,50	2,715	+, 036	——	3	—57 52 59,92	,776	, 053	——
6156	269 Urs. Maj. 6	3	21 34,96	3,287	—, 035	+,025	4	+44 4 41,97	,777	, 062	+ ,11
6157	Antl. Pneum. 6.7	3	21 40,91	2,900	+, 021	——	3	—37 32 52,68	,778	, 056	——
6158	Centauri 7.8	3	21 46,14	2,730	+, 035	——	3	—56 55 25,70	,779	, 053	——
6159	86 Leonis 6	6	21 52,18	3,149	—, 011	+,022	4	+19 19 3,94	,781	, 059	— ,04
6160	87 ——— e 4.5	12	21 53,21	3,063	, 000	+,006	11	— 2 5 38,97	,781	, 059	— ,08
6161	Centauri 7.8	3	22 5,89	2,860	+, 025	——	3	—43 46 55,92	,785	, 054	——
6162	——— 7.8	3	22 8,09	2,802	+, 030	——	3	—50 45 29,70	,785	, 053	——
6163	402 Leonis 7.8	2	22 11,52	3,194	—, 019	+,008	4	+29 21 37,30	,786	, 060	— ,03
6164	Centauri 8	3	22 18,85	2,766	+, 033	——	3	—54 21 13,23	,787	, 052	——
6165	Leonis 8	4	22 27,45	3,049	+, 003	+,021	4	— 5 48 34,98	,789	, 058	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6166	406 Leonis 7	3	11 22 54,74	+3,086	—,00002	+,021	4	+ 3 58 16,88	19,795	—,00054	—0,10
6167	Centauri 7.8	3	22 57,98	2,884	+, 023	——	3	—41 0 58,36	,796	, 053	——
6168	——— 7.8	3	23 11,00	2,730	+, 036	——	3	—57 54 5,56	,800	, 050	——
6169	407 Leonis 7	7	23 13,19	3,129	—, 009	—,015	8	+15 16 58,32	,800	, 056	— ,23
6170	Centauri 7.8	5	23 15,57	2,864	+, 026	+,30T	5	—44 3 29,35	,801	, 052	——
6171	Centauri 7.8	2	23 28,46	2,868	+, 026	——	2	—43 43 6,96	,803	, 052	——
6172	Hyd. & Crat. 7	9	23 33,13	3,050	+, 003	+,004	5	— 5 33 21,18	,805	, 056	— ,03
6173	Centauri 7.8	2	23 39,25	2,866	+, 026	——	2	—43 49 45,23	,806	, 052	——
6174	——— 7	8	23 44,32	2,701	+, 038	——	8	—60 22 5,71	,807	, 049	——
6175	17 Hydræ 6.7	4	24 6,23	2,958	+, 015	+,002	4	—28 21 34,52	,813	, 053	+ ,09
6176	17 Hyd. & Crat. 5.6	8	24 6,38	2,958	+, 015	—,014	5	—28 21 27,86	,813	, 053	+ ,09
6177	Centauri 6	6	24 10,26	2,731	+, 036	——	6	—58 31 54,77	,813	, 048	——
6178	Hydræ 7	3	24 12,55	2,970	+, 013	——	3	—25 50 14,89	,814	, 053	——
6179	Centauri 8	3	24 14,86	2,715	+, 037	——	3	—59 41 45,66	,815	, 048	——
6180	Hydræ 8	4	24 20,03	2,951	+, 016	+,013	4	—30 3 43,03	,816	, 052	— ,08
6181	Hyd. & Crat. 7	8	24 24,85	3,046	+, 003	+,015	5	— 6 55 0,85	,817	, 054	— ,05
6182	277 Hydræ 5.6	3	24 45,63	2,952	+, 016	+,014	4	—30 10 35,93	,821	, 051	+ ,04
6183	Centauri 6	3	24 46,94	2,902	+, 022	—,017	4	—39 31 42,72	,821	, 050	— ,03
6184	410 Leonis 7.8	3	24 51,10	3,086	—, 003	+,007	4	+ 4 16 23,72	,823	, 052	— ,11
6185	19 Hyd. & Crat. ξ 4	12	24 54,27	2,949	+, 017	+,005	17	—30 56 40,87	,823	, 051	+ ,03
6186	Centauri 7	4	24 57,20	2,735	+, 037	——	7	—58 48 24,11	,824	, 047	——
6187	Urs. Maj. 8	3	25 6,56	3,308	—, 042	+,018	4	+49 28 46,99	,827	, 056	— ,08
6188	Crateris 8	4	25 14,46	3,051	+, 003	+,008	4	— 5 37 35,18	,828	, 052	— ,13
6189	Centauri 7.8	3	25 19,95	2,800	+, 032	——	3	—53 24 50,53	,830	, 047	——
6190	——— G 6	3	25 35,61	2,905	+, 022	—,014	4	—39 40 37,49	,832	, 049	— ,03
6191	89 Leonis H 6	10	25 55,36	3,085	—, 002	—,002	6	+ 3 58 35,10	,836	, 052	— ,13
6192	Centauri 8.9	3	25 58,21	2,769	+, 036	——	3	—56 44 1,78	,837	, 047	——
6193	Crateris 7.8	3	25 58,21	3,055	+, 003	+,011	3	— 4 37 0,45	,837	, 051	— ,06
6194	90 Leonis C 6	4	26 6,92	3,134	—, 010	+,006	5	+17 42 29,50	,840	, 052	— ,03
6195	13 Draconis 6	3	26 17,15	3,617	—, 112	+,031	8	+70 14 23,07	,841	, 059	— ,18
6196	279 Hydræ 6	6	26 29,41	2,949	+, 017	—,044	7	—31 57 27,53	,844	, 048	— ,21
6197	Centauri 7.8	5	26 29,68	2,749	+, 037	——	5	—58 46 13,53	,844	, 045	——
6198	——— 8.9	3	26 37,99	2,775	+, 036	——	3	—56 42 55,46	,846	, 045	——
6199	Hydræ 7.8	3	26 53,54	2,961	+, 017	——	3	—29 48 46,71	,849	, 047	——
6200	Centauri A 6	3	26 57,85	2,813	+, 032	——	3	—53 21 11,75	,850	, 044	——
6201	Centauri 7.8	3	27 13,32	2,824	+, 032	——	3	—52 19 52,03	,852	, 044	——
6202	——— C 6.7	2	27 17,30	2,871	+, 028	——	2	—46 27 38,26	,853	, 046	——
6203	Urs. Min. 6	6	27 36,08	3,174	—, 019	+,002	5	+28 41 33,84	,857	, 050	— ,06
6204	Centauri 8	3	27 39,21	2,746	+, 039	——	3	—59 58 53,33	,858	, 043	——
6205	Hydræ 9	4	27 40,60	2,945	+, 020	+,023	4	—33 52 29,48	,858	, 046	— ,06
6206	Centauri 8	3	27 45,76	2,849	+, 031	——	3	—49 48 40,21	,859	, 044	——
6207	——— 6	3	27 57,44	2,873	+, 029	——	3	—46 43 38,10	,862	, 044	——
6208	——— 6	2	28 4,42	2,745	+, 039	——	2	—60 22 26,67	,863	, 042	——
6209	——— 8	3	28 4,67	2,851	+, 031	——	3	—49 49 50,24	,863	, 043	——
6210	Leonis 7	3	28 5,76	3,094	—, 004	+,012	4	+ 7 1 26,38	,863	, 046	— ,11

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6211	Centauri 8	6	11 28 7,27	+2,741	+,00040	——	5	—60 39 56,21	19,864	—,00042	——
6212	—— 7.8	3	28 9,14	2,870	+, 030	——	3	—47 19 2,68	,864	, 044	——
6213	—— 8	2	28 9,67	2,741	+, 040	——		—60 39 ——	,864	, 042	——
6214	—— λ 4	17	28 12,94	2,722	+, 043	——	10	—62 6 26,98	,865	, 042	——
6215	21 Hyd. & Crat. θ 4	12	28 19,06	3,042	+, 008	+,010	11	— 8 53 24,19	,866	, 046	—0,06
6216	282 Hydræ 6	3	28 24,93	2,953	+, 019	+,016	3	—32 39 18,71	,867	, 045	+ ,04
6217	—— 7.8	3	28 27,19	2,942	+, 020	——	3	—35 12 31,40	,867	, 045	——
6218	91 Leonis υ 4.5	12	28 30,23	3,071	, 000	+,012	14	+ 0 5 12,72	,868	, 046	+ ,02
6219	281 Hydræ 7	5	28 31,94	2,949	+, 020	—,006	7	—33 44 20,68	,868	, 045	+ ,15
6220	Centauri 6.7	3	28 42,87	2,754	+, 040	——	3	—60 8 25,99	,871	, 041	——
6221	Hyd. & Crat. φ 6.7	3	28 44,59	2,997	+, 011	+,006	4	—22 2 16,21	,871	, 045	— ,03
6222	426 Leonis 7	3	28 48,35	3,094	—, 004	+,006	4	+ 7 10 56,13	,872	, 045	+ ,02
6223	Centauri 7.8	2	28 48,91	2,747	+, 041	——	4	—60 45 10,08	,872	, 041	——
6224	285 Hydræ 6	3	28 50,99	2,957	+, 018	—,002	4	—32 4 18,89	,872	, 044	— ,09
6225	Centauri 7	7	28 52,25	2,929	+, 023	——	6	—38 2 46,79	,872	, 043	——
6226	Centauri 8	2	28 57,64	2,929	+, 023	——	2	—38 4 58,69	,874	, 043	——
6227	285 Urs. Maj. 6.7	3	29 23,14	3,186	—, 022	+,012	4	+32 47 39,77	,879	, 046	— ,06
6228	Centauri 6	5	29 24,96	2,758	+, 041	——	5	—60 22 14,56	,879	, 040	——
6229	Urs. Maj. K 5.6	3	29 31,68	3,245	—, 034	—,007	4	+44 32 23,63	,880	, 046	— ,07
6230	Centauri 8	2	29 32,29	2,837	+, 034	——	2	—52 49 28,44	,880	, 042	——
6231	Centruri 7.8	3	29 32,90	2,885	+, 029	——	3	—46 23 30,31	,880	, 041	——
6232	Hydræ 7	3	29 36,04	2,968	+, 017	+,011	4	—30 18 10,46	,881	, 043	— ,07
6233	Centauri C² 7	3	29 36,34	2,883	+, 030	——	3	—46 50 7,84	,881	, 041	——
6234	287 Urs. Maj. 6	3	29 40,36	3,265	—, 038	+,003	2	+47 44 52,50	,882	, 046	— ,08
6235	Centauri 7	2	29 50,49	2,774	+, 039	——	2	—59 27 5,07	,884	, 039	——
6236	Centauri 7.8	2	29 51,52	2,760	+, 041	——	2	—60 34 18,32	,884	, 039	——
6237	—— 7.8	3	29 56,40	2,767	+, 040	——	3	—60 4 10,95	,885	, 039	——
6238	1 Virginis ω 6.7	3	29 57,05	3,099	—, 005	+,006	4	+ 9 2 49,08	,885	, 044	— ,04
6239	—— 7	6	29 58,56	3,066	+, 001	+,014	5	— 1 31 24,08	,886	, 044	— ,04
6240	Hydræ 7	4	30 11,01	2,960	+, 019	+,012	4	—32 41 33,01	,888	, 042	— ,06
6241	24 Hyd. & Crat. 5.6	4	30 17,67	3,033	+, 010	+ ,012	5	—12 17 38,66	,890	, 042	+ ,06
6242	Centauri 7		30 ——	2,934	+, 023	——	2	—38 26 39,80	,890	, 041	——
6243	—— 6	3	30 27,07	2,762	+, 041	——	3	—60 54 48,83	,891	, 038	——
6244	—— 7.8	3	30 41,28	2,931	+, 023	——	3	—39 23 20,38	,894	, 040	——
6245	—— 8	3	30 48,19	2,889	+, 030	——	3	—46 56 14,33	,895	, 039	——
6246	Hyd. & Crat. 7	2	31 7,87	3,035	+, 010	+,014	4	—12 15 50,14	,899	, 041	— ,15
6247	291 Urs. Maj. 7.8	3	31 9,01	3,405	—, 073	—,018	4	+63 18 41,70	,899	, 046	— ,03
6248	Centauri 7.8	3	31 21,20	2,816	+, 038	——	3	—56 49 32,12	,901	, 037	——
6249	—— 8.9	3	31 26,07	2,869	+, 032	——	3	—50 30 39,49	,902	, 038	——
6250	287 Hydræ 7.8	3	31 35,06	2,959	+, 019	+,026	4	—34 4 3,06	,904	, 039	+ ,06
6251	Centauri 8	3	31 51,27	2,777	+, 042	——	3	—60 53 7,06	,906	, 036	——
6252	—— 7.8	3	31 55,26	2,879	+, 033	——	3	—49 34 19,94	,907	, 037	——
6253	438 Leonis 7	3	31 56,66	3,076	—, 001	+,011	2	+ 1 51 58,76	,907	, 039	— ,07
6254	Hydræ o 6	4	32 1,63	2,962	+, 020	—,010	4	—33 49 48,95	,908	, 038	+ ,03
6255	Centauri 10	3	32 4,35	2,910	+, 028	——	3	—44 39 54,32	,909	, 037	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6256	92 Leonis 5.6	6	11 32 11,68	+3,137	—,00013	+,001	5	+22 16 10,68	19,910	—,00039	—0,05
6257	297 Urs. Maj. 6	6	32 20,76	3,184	—, 024	+,006	6	+35 7 58,05	,912	, 039	— ,44
6258	Centauri 7	3	32 46,23	2,860	+, 034	—	3	—53 3 10,84	,916	, 036	—
6259	81 Hyd. & Crat. 7	3	32 50,08	3,026	+, 008	—,002	4	—15 46 3,87	,917	, 038	— ,14
6260	300 Urs. Maj. 7	6	32 57,60	3,172	—, 022	—,033	6	+32 39 33,02	,918	, 039	— ,03
6261	Hydræ 7.8	4	32 57,64	2,986	+, 016	—	5	—28 17 28,70	,918	, 037	—
6262	Urs. Maj. 7.8	5	32 59,45	3,213	—, 031	+,025	6	+42 9 11,83	,919	, 039	— ,13
6263	Centauri 7.8	3	33 4,26	2,858	+, 037	—	3	—53 38 2,95	,920	, 035	—
6264	——— 6	3	33 7,85	2,787	+, 042	—	3	—61 10 31,39	,921	, 034	—
6265	14 Draconis 6	3	33 11,84	3,451	—, 096	,000	4	+67 39 26,59	,921	, 043	,00
6266	Hydræ 7	3	33 12,12	2,963	+, 021	—	3	—34 41 20,28	,921	, 036	—
6267	Centauri 7.8	3	33 15,57	2,940	+, 024	—	3	—40 5 54,56	,921	, 036	—
6268	Hydræ V 6	8	33 30,80	2,976	+, 018	+,014	11	—31 34 56,54	,924	, 036	— ,01
6269	Crateris 8	4	33 31,41	3,010	+, 011	+,005	4	—21 44 18,98	,924	, 036	— ,10
6270	447 Leonis 7	3	33 32,20	3,107	—, 007	+,011	4	+13 12 20,80	,925	, 037	— ,09
6271	Hydræ 7.8	6	33 34,62	2,977	+, 017	+,015	5	—31 34 9,17	,925	, 036	+ ,06
6272	449 Leonis 6	3	33 41,29	3,086	—, 002	+,002	5	+ 5 39 38,25	,926	, 037	— ,05
6273	Hyd. & Crat. π 7	3	33 44,80	3,017	+, 010	+,016	4	—19 22 34,78	,927	, 036	+ ,01
6274	Centauri 7.8	3	34 3,87	2,816	+, 041	—	3	—59 18 56,88	,930	, 033	—
6275	——— 7.8	3	34 22,86	2,844	+, 039	—	3	—56 39 0,87	,933	, 032	—
6276	Centauri 8	3	34 46,67	2,822	+, 041	—	3	—59 30 21,92	,937	, 031	—
6277	303 Urs. Maj. 7	4	34 51,46	3,206	—, 031	+,001	4	+42 38 15,84	,937	, 038	— ,04
6278	455 Leonis 7.8	6	35 11,56	3,138	—, 015	+,015	7	+24 55 32,92	,941	, 037	— ,04
6279	Hydræ 6	3	35 15,42	2,965	+, 021	—	3	—36 16 25,68	,941	, 032	—
6280	Virginis 6.7	7	35 29,67	3,057	+, 003	+,006	5	— 5 45 35,92	,944	, 033	— ,10
6281	Centauri 7.8	3	35 32,64	2,891	+, 034	—	3	—51 42 16,88	,944	, 031	—
6282	——— 7	6	35 37,16	2,873	+, 038	—	6	—54 16 50,39	,945	, 031	—
6283	457 Leonis 7.8	3	35 37,38	3,141	—, 016	+,010	4	+26 7 58,70	,945	, 034	— ,02
6284	Centauri 6	3	35 41,34	2,809	+, 045	—	3	—61 34 25,69	,946	, 030	—
6285	——— 7	2	36 2,74	2,809	+, 045	—	2	—61 57 42,38	,949	, 030	—
6286	27 Hyd. & Crat. ζ 4	13	36 24,61	3,028	+, 009	+,014	20	—17 25 59,74	,952	, 030	,00
6287	Centauri 6.7	7	36 32,77	2,918	+, 032	—	7	—48 13 38,70	,953	, 029	—
6288	2 Virginis ξ¹ 5	14	36 46,64	3,093	—, 004	+,019	8	+ 9 10 29,51	,955	, 030	— ,15
6289	Centauri 8	2	36 52,11	2,882	+, 039	—	2	—54 32 44,82	,956	, 028	—
6290	——— 7	2	36 53,89	2,906	+, 036	—	2	—50 39 18,48	,956	, 028	—
6291	Centauri 6	3	37 7,13	2,922	+, 034	—	3	—48 9 13,73	,958	, 028	—
6292	63 Urs. Maj. χ 4	12	37 18,57	3,222	—, 039	+,005	5	+48 41 39,64	,959	, 031	+ ,04
6293	3 Virginis ν 4.5	13	37 22,60	3,088	—, 003	+,006	5	+ 7 27 15,98	,960	, 030	— ,13
6294	Centauri 8	6	37 35,37	2,921	+, 034	—	6	—48 56 0,29	,962	, 027	—
6295	47 ——— 6	3	37 35,85	2,942	+, 029	+,015	4	—44 46 24,07	,963	, 028	,00
6296	Centauri 9	3	37 41,62	2,906	+, 036	—	3	—51 46 24,55	,964	, 027	—
6297	——— 7.8	6	37 47,44	2,922	+, 034	—	7	—49 1 56,16	,964	, 027	—
6298	Hydræ 7	2	38 4,28	3,006	+, 016	—	2	—27 2 49,14	,967	, 028	—
6299	Leonis 9	2	38 18,97	3,107	—, 008	—,003	4	+15 55 3,61	,969	, 029	— ,04
6300	469 ——— 6.7	2	38 28,01	3,128	—, 015	+,025	4	+24 38 11,17	,970	, 029	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
6301	Centauri 10	3	11 38 34,13	+2,861	+,00043	——	3	—59 18 21,69	19,971	—,00025	——
6302	—— 5.6	2	38 34,25	2,852	+, 044	——	2	—60 15 39,70	,971	, 025	——
6303	—— 8	2	38 39,45	2,845	+, 045	——	2	—61 9 46,80	,972	, 025	——
6304	—— 7	3	38 39,62	2,968	+, 025	——	3	—39 36 7,24	,972	, 026	——
6305	—— 7	5	38 46,01	2,844	+, 045	——	5	—61 22 42,40	,972	, 025	——
6306	Urs. Maj. 8	3	39 4,95	3,220	—, 040	+,017	3	+50 44 16,57	,975	, 028	— ,17
6307	Hydræ 7	3	39 9,30	3,000	+, 018	——	3	—30 20 16,22	,975	, 026	——
6308	Centauri 6.7	2	39 17,65	2,886	+, 041	——	2	—56 46 50,54	,976	, 024	——
6309	4 Vriginis ξ² 5.6	6	39 26,36	3,090	—, 004	+,020	5	+ 9 9 42,90	,978	, 026	— ,06
6310	93 Leonis E 4	12	39 28,15	3,117	—, 012	+,001	5	+21 8 7,94	,978	, 026	— ,06
6311	Hydræ 7.8	3	39 49,60	2,991	+, 021	——	3	—34 18 18,90	,980	, 024	——
6312	472 Leonis 6	4	40 8,82	3,102	—, 008	—,006	4	+15 12 2,53	,983	, 025	— ,06
6313	Hyd. & Crat. 6	6	40 26,07	3,016	+, 015	+,017	5	—25 49 56,20	,985	, 023	— ,03
6314	Leonis 8	4	40 28,90	3,102	—, 008	—,003	4	+15 25 23,87	,985	, 024	+ ,01
6315	94 —— β 2.3	32	40 38,40	3,102	—, 008	—,027	42	+15 29 40,64	,986	, 024	— ,13
6316	Centauri 9	6	41 3,06	2,959	+, 030	——	7	—45 18 19,84	,989	, 022	——
6317	327 Urs. Maj. 6	3	41 6,41	3,151	—, 024	—,004	4	+35 50 53,94	,990	, 023	— ,05
6318	Centauri 7.8	3	41 8,57	2,903	+, 041	——	3	—56 46 28,38	,990	, 021	——
6319	—— 6.7	3	41 16,51	2,961	+, 030	——	3	—45 9 1,50	,991	, 021	——
6320	—— 7.8	3	41 22,60	2,887	+, 043	——	3	—59 30 32,41	,992	, 021	——
6321	Centauri 8	3	41 44,65	2,984	+, 025	——	3	—39 21 33,44	,994	, 021	——
6322	—— 6.7	3	41 55,11	2,942	+, 036	——	3	—50 46 59,65	,995	, 021	——
6323	Urs. Maj. 8	4	41 56,54	3,175	—, 033	+,026	4	+44 34 37,26	,996	, 023	— ,04
6324	5 Virginis β 3.4	26	42 6,29	3,076	—, 001	+,062	20	+ 2 41 41,69	,997	, 022	— ,24
6325	Hydræ 7	3	42 18,15	3,020	+, 014	——	3	—26 21 37,17	,998	, 021	——
6326	Centauri 6.7	3	42 25,27	2,880	+, 048	——	3	—61 43 55,24	19,999	, 020	——
6327	Virginis B 6	6	42 36,36	3,063	+, 003	+,014	5	— 4 24 57,63	20,000	, 021	— ,09
6328	Centauri 9	3	42 37,81	2,915	+, 042	——	4	—56 54 49,34	,001	, 019	——
6329	55 —— 5.6	3	42 55,60	2,974	+, 029	+,003	4	—44 15 18,02	,003	, 019	— ,11
6330	—— 6.7	3	42 58,95	2,979	+, 028	——	3	—43 0 53,69	,003	, 019	——
6331	Centauri 7	5	43 9,05	2,894	+, 047	——	5	—60 55 43,80	,004	, 018	——
6332	Hydræ 6	3	43 22,03	3,015	+, 019	——	3	—29 54 14,25	,005	, 019	——
6333	Centauri 7.8	2	43 25,23	2,992	+, 024	——	2	—39 23 20,06	,005	, 018	——
6334	—— 8	3	43 52,17	2,944	+, 038	——	3	—53 29 30,84	,008	, 017	——
6335	Leonis 8	4	43 59,96	3,099	—, 009	+,012	4	+16 46 8,17	,009	, 018	— ,05
6336	Centauri 9	6	44 2,01	2,928	+, 043	——	5	—56 52 56,85	,009	, 017	——
6337	—— 5.6	3	44 2,96	2,933	+, 042	——	3	—56 4 16,39	,009	, 017	——
6338	—— 7.8	2	44 5,33	2,959	+, 036	——	2	—50 23 45,20	,009	, 017	——
6339	482 Leonis 7	3	44 16,08	3,098	—, 008	+,021	4	+16 21 24,64	,011	, 018	— ,12
6340	—— 7.8	3	44 26,99	3,094	—, 007	+,012	4	+14 20 22,36	,012	, 018	— ,08
6341	28 Hyd. & Crat. β 4	12	44 35,60	3,013	+, 020	+,001	6	—32 59 23,89	,013	, 017	+ ,01
6342	Centauri 6.7	2	44 59,48	2,939	+, 042	——	3	—56 29 31,11	,015	, 015	——
6343	Virginis 8	4	45 1,35	3,067	+, 003	+,009	4	— 2 57 58,84	,015	, 017	— ,13
6344	64 Urs. Maj. γ 2	41	45 7,10	3,193	—, 048	+,020	49	+54 36 44,79	,016	, 018	+ ,07
6345	Hydræ c 6	7	45 8,42	3,013	+, 022	+,025	7	—34 8 50,92	,016	, 016	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6346	Urs. Maj. 7.8	3	11 45 13,92	+3,130	—,00022	—,004	3	+34 32 3,04	20,016	—,00016	—0,12
6347	Leonis 8	4	45 22,48	3,094	—, 008	+,007	4	+14 56 52,08	,017	, 016	— ,05
6348	15 Virginis 7	3	45 24,04	3,073	+, 001	+,014	4	+ 1 28 11,32	,017	, 016	— ,10
6349	16 ——— 7	3	45 26,54	3,067	+, 003	+,020	3	— 2 51 25,61	,017	, 016	— ,15
6350	——— 7	4	45 36,91	3,079	—, 002	+,018	3	+ 5 47 46,37	,018	, 015	— ,07
6351	Urs. Maj. 7.8	3	46 4,71	3,167	—, 038	—,004	4	+49 51 18,50	,020	, 015	— ,12
6352	Centauri 7	3	46 10,61	3,011	+, 022	——	3	—36 50 0,72	,021	, 014	——
6353	——— 7	7	46 11,70	3,001	+, 026	——	7	—41 7 37,21	,021	, 014	——
6354	Hydræ 7	3	46 19,40	3,034	+, 014	——	3	—24 47 56,03	,022	, 014	——
6355	Virginis 7	4	46 23,84	3,070	+, 001	+,015	8	— 0 31 9,33	,022	, 014	— ,34
6356	65 Urs. Maj. 7.8	4	46 29,32	3,157	—, 035	+,016	3	+47 23 41,72	,022	, 014	— ,02
6357	338 —— —— *var.*	6	46 34,94	3,156	—, 035	+,025	7	+47 23 16,39	,023	, 014	+ ,03
6358	6 Virginis A 6	8	46 35,15	3,084	—, 004	+,006	5	+ 9 21 40,82	,023	, 013	— ,06
6359	Centauri 7	3	46 43,24	2,960	+, 042	——	3	—55 10 8,83	,024	, 012	——
6360	Leonis 9.10	4	46 53,55	3,093	—, 008	+,022	3	+16 1 44,17	,024	, 012	— ,13
6361	Virginis 8	4	46 57,65	3,074	, 000	+,018	3	+ 2 0 57,70	,025	, 012	— ,09
6362	20 ——— 7	3	47 0,63	3,066	+, 003	+,009	4	— 4 12 57,82	,025	, 012	— ,04
6363	Leonis ο *var.*	3	47 10,79	3,093	—, 008	—,003	4	+16 33 54,16	,026	, 012	— ,07
6364	Centauri 7.8	2	47 13,44	2,974	+, 039	——	2	—52 19 13,57	,226	, 012	——
6365	29 Hyd. & Crat. 6	6	47 17,73	3,032	+, 017	+,011	5	—27 33 24,84	,027	, 012	,00
6366	342 Urs. Maj. 6.7	3	47 18,65	3,187	—, 052	—,002	4	+57 31 0,45	,027	, 011	+ ,03
6367	343 —— —— 6.7	4	47 27,84	3,125	—, 024	—,002	3	+36 15 32,13	,027	, 011	— ,10
6368	Centauri 7	3	47 33,83	3,013	+, 025	——	3	—38 46 11,55	,028	, 011	——
6369	30 Hyd. & Crat. η 6	5	47 36,98	3,050	+, 010	+,001	1	—16 13 53,76	,028	, 011	— ,02
6370	Leonis 7.8	3	47 43,26	3,092	—, 008	+,021	3	+16 38 56,39	,029	, 011	— ,12
6371	344 Urs. Maj. 6.7	2	47 45,95	3,124	—, 024	—,007	4	+36 21 57,32	,029	, 011	— ,08
6372	492 Leonis 7	3	47 58,37	3,090	—, 008	+,012	4	+15 6 19,95	,030	, 011	— ,03
6373	Hydræ 7.8	2	48 22,10	3,030	+, 020	——	2	—31 20 56,36	,032	, 011	——
6374	——— 8	2	48 23,80	3,030	+, 020	——	2	—31 20 56,36	,032	, 011	——
6375	Virginis 7.8	4	48 25,92	3,085	—, 005	+,006	4	+11 26 47,04	,032	, 010	— ,09
6376	Centauri 7	2	48 26,62	3,001	+, 033	——	2	—46 9 16,80	,032	, 010	——
6377	Hydræ 7	3	48 41,99	3,029	+, 020	——	3	—32 23 49,21	,034	, 010	——
6378	Centauri 7.8	3	48 45,38	2,989	+, 039	——	3	—51 10 50,41	,034	, 009	——
6379	Hydræ 7.8	3	49 8,12	3,040	+, 016	——	3	—26 8 3,22	,036	, 010	——
6380	Centauri 7.8	3	49 9,19	3,022	+, 025	——	3	—37 34 40,75	,036	, 009	——
6381	Leonis 9.10	3	49 10,18	3,091	—, 009	+,025	4	+17 20 57,68	,036	, 008	— ,05
6382	——— 7	3	49 14,60	3,092	—, 009	+,007	4	+18 23 10,79	,036	, 008	— ,02
6383	Virginis 7	3	49 18,02	3,080	—, 004	+,021	4	+ 7 53 44,38	,037	, 008	— ,10
6384	——— 7.8	3	49 22,03	3,082	—, 005	+,015	4	+ 9 54 27,00	,037	, 008	— ,04
6385	Centauri 7	3	49 25,29	2,957	+, 052	——	3	—61 31 45,45	,037	, 008	——
6386	Centauri 7.8	3	49 31,10	2,967	+, 048	——	3	—59 31 58,23	,037	, 008	——
6387	352 Urs. Maj. 7	3	49 37,93	3,111	—, 019	+,008	4	+33 11 42,34	,037	, 008	— ,12
6388	Centauri 7.8	3	49 42,72	2,983	+, 044	——	3	—55 56 46,40	,038	, 007	——
6389	Virginis 7	7	49 46,62	3,076	, 000	+,012	5	+ 4 24 2,58	,038	, 007	— ,04
6390	Centauri 6	3	49 56,76	2,986	+, 043	——	3	—55 23 54,10	,039	, 007	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6391	Centauri 7	1	11 49 58,94	+3,022	+,00026	——	1	—40 1 46,43	20,039	—,000 07	——
6392	Urs. Maj. 7	3	50 0,96	3,137	—, 036	—,010	4	+48 40 59,24	,039	, 007	—0,08
6393	Virginis 8.9	3	50 3,20	3,076	—, 002	+,002	4	+ 5 15 41,17	,039	, 007	— ,13
6394	Centauri 9	3	50 19,60	2,999	+, 040	——	3	—51 50 56,10	,040	, 007	——
6395	Hyd. & Crat. 7.8	3	50 21,91	3,057	+, 007	+,027	2	—13 56 40,05	,040	, 007	— ,07
6396	Hydræ 7.8	3	50 30,75	3,045	+, 015	——	3	—24 59 21,12	,041	, 007	——
6397	27 Virginis 6.7	3	50 37,18	3,072	+, 001	+,001	4	+ 1 26 53,74	,041	, 007	— ,02
6398	Centauri 6	3	50 50,51	3,006	+, 039	— —	3	—50 46 40,53	,041	, 007	——
6399	Hydræ 7.8	3	50 58,53	3,042	+, 018	——	3	—29 8 32,04	,042	, 006	——
6400	Centauri 7	2	51 4,70	2,993	+, 044	——	2	—56 14 54,77	,042	, 006	——
6401	Centauri 7	3	51 7,76	2,974	+, 052	——	3	—61 54 43,66	,042	, 006	——
6402	Hydræ 7.8	7	51 8,70	3,036	+, 022	——	7	—34 23 23,82	,042	, 006	——
6403	Centauri 7.8	2	51 12,60	3,018	+, 033	——	2	—45 42 48,94	,043	, 006	——
6404	Crucis 8	3	51 22,10	2,985	+, 048	——	3	—59 53 3,14	,043	, 006	——
6405	7 Virginis b 5.6	8	51 29,89	3,075	—, 001	+,005	5	+ 4 34 29,19	,043	, 006	,00
6406	496 Leonis 7	3	51 37,56	3,089	—, 010	+,003	4	+20 20 21,42	,044	, 005	— ,08
6407	Centauri 7	7	51 47,11	3,025	+, 031	——	7	—43 56 29,08	,044	, 005	——
6408	Urs. Maj. 8.9	4	52 8,04	3,151	—, 054	+,018	4	+60 16 17,51	,045	, 005	,00
6409	8 Virginis π 5	22	52 25,03	3,077	—, 004	+,003	20	+ 7 32 4,37	,046	, 005	— ,06
6410	Centauri 7.8	7	52 25,38	3,021	+, 037	——	7	—48 38 58,31	,046	, 004	——
6411	31 Hyd. & Crat. 5.6	6	52 25,56	3,056	+, 011	+,010	2	—18 44 26,14	,046	, 004	— ,10
6412	Virginis 7	10	52 35,21	3,070	+, 001	+,006	4	— 0 50 38,49	,046	, 004	+ ,07
6413	—— 7	3	52 43,93	3,074	—, 001	+,017	2	+ 4 33 7,27	,047	, 004	— ,12
6414	—— 8	3	53 1,25	3,076	—, 002	+,016	4	+ 7 25 29,10	,048	, 004	— ,02
6415	Centauri 7	3	53 7,53	3,010	+, 046	——	3	—56 35 1,68	,048	, 003	——
6416	1 Comæ. Ber. 6	6	53 16,83	3,088	—, 012	+,025	4	+23 0 50,61	,049	, 003	+ ,01
6417	Centauri 7	3	53 19,98	3,037	+, 027	——	3	—40 54 34,10	,049	, 003	——
6418	—— 7	3	53 23,65	3,039	+, 026	——	3	—39 43 53,97	,049	, 002	——
6419	364 Urs. Maj. 6	3	53 42,63	3,106	—, 031	—,024	4	+43 57 39,25	,050	, 002	— ,04
6420	Cantauri 8	3	53 51,56	3,026	+, 041	——	3	—51 36 38,01	,051	, 002	——
6421	Crucis 7.8	3	54 1,33	3,007	+, 052	——	3	—61 29 40.66	,051	, 002	——
6422	Urs. Maj. 7	6	54 5,86	3,105	—, 031	—,019	7	+44 1 34,09	,051	, 002	— ,55
6423	Centauri 8	2	54 7,57	3,021	+, 045	——	2	—55 38 28,47	,051	, 001	——
6424	Crucis 8	3	54 32,24	3,013	+, 051	——	3	—61 15 24,74	,052	, 001	——
6425	Corvi 7.8	4	54 33,49	3,059	+, 012	+,003	4	—21 14 3,01	,052	, 001	— ,11
6426	Hydræ 8	3	54 35,73	3,052	+, 020	——	3	—30 46 18,57	,052	, 001	——
6427	Centauri 7	3	54 36,25	3,024	+, 046	——	3	—56 20 28,53	,052	, 000	——
6428	—— 7.8	3	54 38,72	3,035	+, 038	——	3	—48 44 4,86	,053	, 000	——
6429	—— 7	3	54 40,84	3,037	+, 036	——	3	—47 16 32,42	,053	, 000	——
6430	67 —— 6	6	55 8,55	3,046	+, 028	+,036	7	—41 30 34,31	,054	, 000	— ,14
6431	35 Virginis 7	3	55 9,59	3,069	+, 004	+,009	4	— 4 33 36,39	,054	+, 001	— ,08
6432	—— 7	10	55 19,18	3,073	—, 001	—,004	5	+ 6 28 50,86	,054	, 001	— ,08
6433	Centauri 8	5	55 21,02	3,029	+, 048	——	5	—56 49 23,43	,054	, 001	——
6434	—— 7.8	3	55 21,77	3,034	+, 044	——	3	—53 47 34,07	,054	, 002	——
6435	Leonis 7.8	3	55 34,54	3,080	—, 010	+,002	4	+19 44 16,53	,055	, 002	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6436	Centauri 7	3	11 55 49,28	+3,034	+,00048	——	3	—56 26 41,24	20,055	+,00002	——
6437	2 Comæ. Ber. 6	6	55 49,29	3,081	—, 013	+,021	5	+22 22 41,20	,055	, 002	—0,11
6438	Corvi. 8	4	55 50,43	3,062	+, 012	+,005	4	—20 7 9,39	,055	, 002	— ,06
6439	Leonis 7	3	56 15,67	3,078	—, 008	+,016	4	+17 11 17,09	,055	, 003	— ,19
6440	41 Virginis 7	3	56 16,42	3,073	, 000	+,013	4	+ 4 29 36,60	,055	, 003	— ,05
6441	Crucis 7	3	56 18,23	3,036	+, 050	——	3	—58 20 1,81	,055	, 004	——
6442	9 Virginis ο 4.5	20	56 48,34	3,074	—, 004	—,002	22	+ 9 38 59,39	,055	, 005	+ ,02
6443	Centauri 7.8	3	56 52,31	3,050	+, 040	——	3	—49 21 3,90	,055	, 005	——
6444	—— 8	3	56 53,21	3,051	+, 039	——	3	—48 5 15,82	,055	, 005	——
6445	Leonis 8	4	56 59,39	3,077	—, 008	+,006	4	+18 12 35,94	,055	, 006	— ,13
6446	Centauri 7	3	57 31,59	3,052	+, 045	——	3	—53 20 23,35	,055	, 007	——
6447	Virginis 7	4	57 33,26	3,071	+, 002	+,008	3	— 2 12 43,63	,055	, 007	— ,11
6448	Centauri 7	3	57 38,33	3,063	+, 022	——	3	—32 1 58,46	,055	, 007	——
6449	Corvi 7	3	57 49,43	3,066	+, 012	+,022	4	—21 52 39,63	,055	, 007	+ ,03
6450	Urs. Maj. 7.8	3	57 55,32	3,084	—, 032	+,005	4	+47 12 14,03	,056	, 007	— ,03
6451	Centauri 7.8	6	58 9,93	3,063	+, 025	——	6	—36 56 27,35	,057	, 008	——
6452	Crucis η 4.5	6	58 20,07	3,052	+, 063	——	5	—63 41 33,13	,057	, 008	——
6453	Urs. Maj. 7	3	58 23,23	3,086	—, 049	—,013	4	+58 31 11,36	,057	, 008	+ ,03
6454	1 Corvi 7	3	58 34,85	3,068	+, 014	+,009	4	—22 50 53,69	,057	, 008	+ ,05
6455	47 Virginis 7	3	58 44,37	3,073	—, 005	+,008	4	+13 54 22,77	,057	, 008	— ,11
6456	48 Virginis 7	3	58 45,19	3,072	—, 004	+,010	5	+10 34 55,65	,057	, 009	+ ,01
6457	49 —— 7	3	58 48,57	3,071	+, 005	+,015	5	— 5 50 50,96	,057	, 009	— ,04
6458	Centauri 8	3	58 53,29	3,065	+, 029	——	3	—42 19 39,82	,057	, 009	——
6459	—— 8	3	59 3,39	3,066	+, 034	——	3	—44 39 45,93	,058	, 009	——
6460	51 Virginis 7	3	59 10,26	3,072	—, 005	+,015	3	+14 26 10,65	,058	, 009	+ ,01
6461	52 Virginis 6.7	3	59 33,91	3,071	, 000	+,009	4	+ 1 32 28,29	,058	, 009	— ,12
6462	Centauri 7.8	7	59 34,16	3,068	+, 041	——	7	—49 50 39,88	,058	, 010	——
6463	—— 6	3	59 34,38	3,068	+, 041	——	3	—49 44 30,58	,058	, 010	——
6464	—— E 7	3	59 44,02	3,069	+, 038	——	3	—47 46 24,35	,058	, 010	——
6465	—— δ 3	15	59 50,48	3,070	+, 041	——	19	—49 48 10,68	,058	, 010	——
6466	Hydræ 7.8	3	59 50,82	3,071	+, 023	—,006	4	—33 45 21,61	,058	, 010	+ ,06
6467	Crucis 7.8	7	59 51,28	3,076	+, 053	——	7	—59 55 41,31	,058	, 010	——
6468	1 Corvi α 4.5	23	59 55,05	3,071	+, 015	+,010	17	—23 48 28,16	,058	, 010	— ,04
6469	Urs. Maj. 8.9	6	12 0 3,99	3,071	—, 037	+,008	6	+49 53 13,08	,058	, 010	— ,12
6470	81 Centauri 6.7	5	0 23,38	3,073	+, 032	—,006	7	—43 24 17,29	,058	, 010	— ,21
6471	Centauri 6	3	0 24,22	3,073	+, 028	——	3	—40 18 44,49	,058	, 010	——
6472	Urs. Maj. 6.7	2	0 31,91	3,067	—, 037	+,015	4	+50 6 14,39	,058	, 010	— ,06
6473	57 Virginis 7	3	0 47,67	3,070	—, 007	+,017	3	+18 6 20,41	,058	, 011	— ,10
6474	Centauri 6	5	1 13,45	3,079	+, 041	——	4	—50 51 54,63	,058	, 012	——
6475	10 Virginis r 6	8	1 14,20	3,071	, 000	+,014	5	+ 2 49 30,43	,058	, 012	— ,16
6476	Hydræ z^1 6.7	3	1 32,56	3,077	+, 023	—,002	3	—33 47 6,71	,057	, 012	— ,03
6477	11 Virginis s 7	8	1 38,98	3,070	—, 001	—,009	5	+ 6 43 29,30	,057	, 013	— ,11
6478	2 Corvi ε 4	12	1 39,17	3,075	+, 015	+,009	6	—21 42 5,76	,057	, 013	+ ,04
6479	10 —— 7	3	1 59,38	3,076	+, 016	+,013	4	—24 2 22,50	,057	, 014	+ ,02
6480	Centauri 6.7	3	2 1,78	3,080	+, 025	——	3	—36 57 0,12	,057	, 014	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6481	Centauri 8	3	12 2 5,45	+3,080	+,00024	——	3	—35 54 59,51	20,057	+,00014	——
6482	66 Virginis 6.7	3	2 6,91	3,067	—, 006	+,011	4	+17 43 40,84	,057	, 014	—,002
6483	Hydræ 7	3	2 22,38	3,078	+, 018	——	3	—27 8 54,09	,057	, 014	——
6494	19 Comæ Ber. 6.7	3	2 22,83	3,064	—, 014	+,017	4	+28 12 2,13	,057	, 014	— ,07
6485	Crucis 7	3	2 29,64	3,096	+, 055	——	3	—60 21 27,98	,057	, 015	——
6486	Centauri 7	2	2 29,78	3,085	+, 033	——	2	—44 30 15,08	,056	, 015	——
6487	3 Corvi 6	9	2 35,08	3,077	+, 015	+,010	6	—22 41 0,09	,056	, 015	— ,11
6488	Centauri 6	3	2 52,94	3,087	+, 031	——	3	—43 21 41,11	,056	, 016	——
6489	—— 7.8	7	2 59,63	3,092	+, 040	——	7	—50 26 16,92	,056	, 016	——
6490	—— ρ 4	14	3 3,84	3,093	+, 041	——	7	—51 26 58,04	,056	, 016	——
6491	Hydræ 7	3	3 11,61	3,081	+, 020	+,004	4	—29 41 6,05	,056	, 017	— ,02
6492	67 Virginis 6.7	3	3 13,70	3,070	—, 001	—,004	4	+ 4 58 27,37	,056	, 016	+ ,03
6493	4 Comæ Ber. 6	6	3 28,58	3,061	—, 012	+,007	5	+26 47 25,58	,056	, 017	,00
6494	377 Urs. Maj. 7	3	3 29,19	3,039	—, 045	—,001	4	+57 58 22,64	,056	, 017	— ,05
6495	5 Comæ Ber. 6	6	3 45,45	3,063	—, 009	+,012	5	+21 27 42,29	,055	, 018	,00
6496	Crucis 7.8	3	3 47,26	3,108	+, 053	——	3	—59 8 57,25	,055	, 017	——
6497	—— 8	3	4 12,04	3,111	+, 053	——	3	—58 44 12,37	,055	, 018	——
6498	Centauri 8	3	4 14,83	3,089	+, 024	——	3	—36 36 30,84	,055	, 018	——
6499	Draconis 5	9	4 22,32	2,945	—, 132	—,002	5	+78 31 59,80	,054	, 017	— ,02
6500	Virginis 7	3	4 49,30	3,065	—, 003	+,018	3	+12 26 5,56	,054	, 019	+ ,01
6501	Centauri 7.8	3	4 51,81	3,093	+, 026	——	3	—38 0 36,57	,054	, 020	——
6502	27 Comæ Ber. 7	3	4 56,29	3,054	—, 017	+,009	4	+31 12 0,09	,054	, 020	— ,02
6503	12 Virginis t 6	6	5 1,80	3,065	—, 003	+,007	5	+11 10 50,95	,053	, 020	— ,10
6504	Corvi 7.8	4	5 7,16	3,082	+, 014	+,023	4	—20 42 59,40	,053	, 021	— ,04
6505	Hydræ 8	6	5 9,76	3,085	+, 017	——	6	—26 24 11,00	,053	, 021	——
6506	Centauri 7.8	3	5 21,86	3,115	+, 046	——	3	—54 33 47,20	,052	, 022	——
6507	—— D 5.6	3	5 27,00	3,103	+, 034	—,010	4	—44 48 19,46	,052	, 022	+ ,01
6508	76 Virginis 7	3	5 30,36	3,069	+, 001	+,001	4	+ 3 10 46,20	,052	, 022	— ,03
6509	Crucis 8	3	5 32,49	3,123	+, 052	——	3	—57 57 31,78	,052	, 023	——
6510	Centauri 7.8	3	5 35,98	3,114	+, 044	——	3	—53 0 17,44	,052	, 023	——
6511	Virginis 7	3	5 48,55	3,074	+, 004	—,004	4	— 4 48 13,37	,051	, 023	+ ,10
6512	Crucis δ 3	12	6 26,01	3,131	+, 052	——	16	—57 49 49,48	,050	, 024	——
6513	Centauri 7.8	3	6 26,38	3,103	+, 029	——	3	—40 13 3,13	,050	, 023	——
6514	15 Corvi 6.7	3	6 29,15	3,085	+, 013	+,021	4	—19 55 31,87	,050	, 024	+ ,14
6515	379 Urs. Maj. 6	3	6 30,76	3,018	—, 039	+,005	3	+54 21 11,37	,050	, 022	— ,03
6516	Hydræ 7	3	6 31,35	3,091	+, 019	——	3	—28 19 4,50	,049	, 020	——
6517	Virginis 7	3	6 50,24	3,058	—, 006	+,012	4	+17 49 30,10	,049	, 024	+ ,01
6518	Centauri 7	3	6 58,75	3,106	+, 030	——	3	—40 59 14,10	,048	, 024	——
6519	Corvi λ¹ 7	3	7 1,09	3,080	+, 009	+,021	4	—13 9 13,48	,048	, 024	— ,07
6520	69 Urs. Maj. δ 3	12	7 13,41	3,004	—, 043	+,030	12	+57 56 58,63	,048	, 022	+ ,01
6521	Centauri 7	3	7 14,21	3,127	+, 045	——	3	—53 8 16,67	,048	, 027	——
6522	Virginis 9.10	4	7 18,01	3,062	—, 003	+,009	4	+11 47 7,76	,047	, 026	,00
6523	4 Corvi γ 3	15	7 19,93	3,084	+, 010	—,001	5	—16 37 30,31	,047	, 027	— ,04
6524	—— λ² 7.8	3	7 20,98	3,081	+, 008	+,019	4	—12 53 54,25	,047	, 027	+ ,02
6525	6 Comæ Ber. 5	13	7 37,22	3,059	—, 005	+,008	9	+15 49 7,13	,046	, 025	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6526	Can. Ven. c 6.7	3	12 7 50,50	+3,031	—,00023	+,005	4	+41 34 44,55	20,046	+,00025	—0,05
6527	7 Com. Ber. h 5	9	7 59,31	3,050	—, 011	+,010	10	+24 51 48,59	,045	, 026	— ,02
6528	Can. Ven. l 5	3	8 11,90	3,039	—, 018	+,007	3	+33 58 59,98	,045	, 026	— ,19
6529	Centauri 7.8	5	8 55,29	3,129	+, 038	——	7	—48 0 21,03	,042	, 030	——
6530	Crucis 7.8	3	9 8,28	3,153	+, 054	——	3	—56 55 58,31	,042	, 031	——
6531	Centauri 7	3	9 11,89	3,109	+, 026	——	3	—35 10 34,27	,041	, 031	——
6532	Virginis 8	4	9 14,03	3,056	—, 005	+,003	4	+15 21 41,50	,041	, 028	— ,08
6533	Crucis 7.8	3	9 17,09	3,167	+, 059	——	3	—60 33 7,38	,041	, 032	——
6534	Centauri 7	3	9 27,47	3,140	+, 043	——	3	—51 23 20,19	,041	, 030	——
6535	95 Virginis 7.8	3	9 31,72	3,069	+, 001	+,007	4	+ 2 29 35,22	,040	, 029	— ,07
6536	Virginis G¹ 7	5	9 41,67	3,074	+, 004	+,007	4	— 3 2 16,19	,040	, 033	— ,01
6537	Com. Ber. 8	4	9 42,03	3,051	—, 007	+,011	3	+19 21 9,98	,040	, 030	+ ,04
6538	Virginis G² 7	5	9 42,16	3,074	+, 004	+,006	3	— 3 1 54,57	,040	, 033	— ,04
6539	100 ——— 7.8	3	10 3,30	3,062	—, 002	+,010	4	+ 8 58 54,18	,039	, 031	— ,04
6540	——— H 7	3	10 3,65	3,079	+, 007	+,010	1	— 7 59 0,94	,039	, 032	— ,14
6541	18 Can. Ven. 7	4	10 11,41	3,032	—, 018	+,003	7	+33 39 58,03	,038	, 030	+ ,06
6542	13 Virginis u 6	10	10 13,00	3,071	+, 003	+,009	5	+ 0 7 50,76	,038	, 031	— ,05
6543	Centauri F 7	3	10 14,00	3,154	+, 048	——	3	—54 13 30,54	,038	, 033	——
6544	43 Com. Ber. 7	3	10 42,60	3,039	—, 013	+,014	4	+26 55 32,80	,036	, 032	— ,07
6545	Virginis 7	6	10 46,15	3,051	—, 006	+,001	7	+17 28 19,08	,036	, 032	— ,34
6546	14 Virginis H 6.7	9	10 51,17	3,080	+, 007	+,008	11	— 7 59 44,81	,035	, 035	— ,01
6547	Centauri 7.8	3	10 56,34	3,110	+, 023	——	3	—31 40 20,14	,035	, 035	——
6548	Crucis 8	3	10 58,52	3,191	+, 062	——	3	—61 56 14,52	,035	, 036	——
6549	8 Com. Ber. 6	6	10 58,98	3,043	—, 010	+,017	3	+23 57 7,35	,035	, 032	— ,18
6550	45 ——— 6.7	4	11 13,30	3,035	—, 014	+,001	4	+29 4 45,95	,034	, 032	— ,21
6551	19 Draconis 6.7	6	11 21,30	2,804	—, 097	+,021	9	+76 4 37,15	,034	, 030	— ,01
6552	15 Virginis η 3.4	10	11 27,77	3,071	+, 003	—,009	22	+ 0 15 4,62	,033	, 033	— ,03
6553	Centauri 7	3	11 28,60	3,121	+, 027	——	3	—36 51 48,67	,033	, 035	——
6554	10 Com. Ber. 6	9	11 32,34	3,034	—, 015	+,018	9	+29 22 53,85	,032	, 032	— ,04
6555	26 Corvi 6.7	4	11 38,96	3,110	+, 015	—,010	4	—21 15 23,76	,032	, 035	+ ,04
6556	388 Urs. Maj. 5.6	3	11 39,61	2,990	—, 034	+,017	3	+49 54 2,35	,032	, 032	+ ,02
6557	109 Virginis 7.8	3	11 42,57	3,053	—, 004	+,003	2	+14 46 20,80	,031	, 034	+ ,03
6558	16 ——— c 5.6	10	11 58,50	3,066	+, 001	+,004	6	+ 4 14 0,21	,030	, 035	+ ,01
6559	51 Com. Ber. 6.7	2	12 0,53	3,036	—, 012	+,005	4	+26 55 3,11	,030	, 034	— ,01
6560	5 Corvi ζ 5.6	4	12 1,48	3,098	+, 015	—,005	5	—21 17 50,97	,030	, 037	— ,02
6561	Centauri 8	2	12 11,22	3,146	+, 036	——	2	—46 32 18,60	,029	, 037	——
6562	11 Com. Ber. s 5	11	12 22,65	3,047	—, 006	+,004	4	+18 42 18,04	,028	, 034	+ ,02
6563	Crucis 7.8	3	12 24,25	3,203	+, 065	——	3	—61 21 59,63	,028	, 038	——
6564	Corvi 6	5	12 25,24	3,087	+, 009	+,010	5	—12 38 59,03	,028	, 036	— ,02
6565	Centauri 7	3	12 25,33	3,135	+, 032	——	3	—41 38 41,66	,028	, 037	——
6566	114 Virginis 7	3	12 27,28	3,050	—, 004	+,009	3	+16 27 26,85	,028	, 034	— ,01
6567	Crucis ε 4	12	12 30,68	3,195	+, 059	——	9	—59 29 19,74	,027	, 039	——
6568	391 Urs. Maj. 6	2	12 49,47	2,948	—, 042	+,031	4	+58 47 1,39	,026	, 031	— ,07
6569	Centauri 8	3	13 1,33	3,158	+, 039	——	3	—49 1 57,29	,025	, 039	——
6570	59 Com. Ber. 7	3	13 52,88	3,032	—, 010	+,008	3	+25 41 23,59	,021	, 038	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6571	Crucis 6	6	12 13 55,94	+3,195	+,00055	——	9	—56 45 32,89	20,021	—,00042	——
6572	17 Virginis 6	7	14 8,92	3,063	, 000	+,010	5	+ 6 13 26,31	,019	, 039	—0,14
6573	12 Com. Ber. e 5	15	14 12,19	3,029	—, 012	+,004	5	+26 45 44,34	,019	, 038	— ,01
6574	——— 7.8	3	14 22,26	3,039	—, 007	+,023	3	+21 3 55,67	,018	, 038	— ,10
6575	Corvi 7.8	2	14 25,92	3,108	+, 017	+,014	4	—23 57 21,62	,018	, 041	+ ,07
6576	Com. Ber. 9	4	14 37,84	3,045	—, 005	+,014	3	+17 9 36,84	,017	, 038	— ,12
6577	Crucis 7	3	14 37,86	3,223	+, 064	——	4	—60 42 46,70	,017	, 043	——
6578	127 Virginis 7	3	14 41,05	3,080	+, 006	+,014	4	— 6 23 1,06	,017	, 042	— ,04
6579	Centauri 8	3	14 42,65	3,145	+, 031	——	3	—40 55 50,60	,017	, 043	——
6580	6 Corvi 5.6	6	14 46,69	3,109	+, 017	+,004	6	—23 55 26,39	,016	, 043	— ,07
6581	129 Virginis 7	3	14 46,91	3,077	+, 005	+,009	4	— 4 3 25,69	,016	, 043	— ,07
6582	Centauri 7	3	14 55,24	3,140	+, 028	——	3	—38 23 8,62	,015	, 043	——
6583	——— k^1 5.6	3	14 55,55	3,131	+, 025	—,016	3	—34 29 46,98	,015	, 043	— ,14
6584	——— 6.7	2	15 3,99	3,139	+, 028	——	2	—37 59 45,22	,015	, 043	——
6585	Hydræ 7	3	15 10,01	3,121	+, 020	——	3	—29 25 8,66	,014	, 043	——
6586	Centauri 7.8	3	15 34,65	3,167	+, 037	——	3	—46 27 26,89	,011	, 043	——
6587	24 Can. Ven. 6.7	2	15 38,83	2,975	—, 025	+,002	3	+43 27 26,06	,011	, 039	— ,03
6588	Com. Ber. 7	6	15 46,16	3,025	—, 011	+,013	8	+26 46 1,09	,010	, 042	— ,02
6589	136 Virginis 7	2	15 51,55	3,086	+, 008	+,005	3	— 9 33 40,92	,010	, 044	+ ,11
6590	396 Urs. Maj. 5.6	2	15 58,95	2,950	—, 034	+,007	3	+52 28 37,22	,009	, 037	+ ,02
6591	13 Com. Ber. f 5	12	16 1,42	3,024	—, 011	+,014	6	+27 0 51,91	,009	, 042	— ,04
6592	Virginis 7.8	4	16 7,33	3,063	, 000	+,014	4	+ 5 14 50,63	,009	, 043	— ,09
6593	——— 8	7	16 14,88	3,061	—, 001	+,011	7	+ 5 57 44,75	,008	, 043	— ,33
6594	Centauri 7.8	3	16 19,96	3,174	+, 037	——	3	—47 23 37,49	,007	, 045	——
6595	——— 7	3	16 26,44	3,156	+, 032	——	3	—41 35 52,36	,006	, 045	——
6596	Centauri x^2 6.7	3	16 42,10	3,137	+, 025	+,027	4	—34 16 14,25	,007	, 047	— ,02
6597	Com. Ber. y 6	2	16 56,86	3,025	—, 010	+,020	4	+24 50 36,56	,003	, 044	— ,04
6598	399 Urs. Maj. 6.7	3	17 8,12	2,913	—, 039	+,004	3	+57 41 35,12	,002	, 037	— ,05
6599	Crucis a^1 4	7	17 23,97	3,263	+, 068	——	3	—62 12 24,09	,000	, 049	——
6600	——— a^2 1	15	17 28,81	3,264	+, 068	——	19	—62 11 1,42	,000	, 049	——
6601	Virginis 7.8	3	17 29,98	3,062	, 000	+,004	4	+ 5 6 52,22	,000	, 045	— ,05
6602	Centauri G 6.7	3	17 39,57	3,196	+, 043	——	3	—50 32 7,37	19,998	, 050	——
6603	Can. Ven. b 5.6	3	17 42,40	2,985	—, 021	,000	3	+39 56 4,49	,998	, 043	— ,11
6604	147 Virginis 6.7	3	17 42,63	3,040	—, 004	+,006	4	+16 46 42,35	,998	, 046	+ ,09
6605	Centauri 7.8	3	18 6,10	3,205	+, 045	——	3	—51 47 16,44	,995	, 051	——
6606	Centauri 7.8	3	18 7,11	3,188	+, 041	——	3	—47 59 42,23	,995	, 050	——
6607	14 Com. Ber. l 5	5	18 8,56	3,015	—, 012	+,013	5	+28 10 58,29	,995	, 044	— ,09
6608	Centauri o 6.7	3	18 11,23	3,137	+, 024	,000	4	—31 54 50,83	,994	, 049	— ,08
6609	Crucis 7.8	3	18 18,98	3,222	+, 051	——	3	—54 49 13,02	,994	, 051	——
6610	——— 7	3	18 27,58	3,239	+, 056	——	3	—57 24 11,02	,993	, 051	——
6611	402 Urs. Maj. 7	3	18 37,25	2,910	—, 036	+,023	4	+56 4 21,69	,992	, 040	— ,05
6612	Centauri 8	3	18 41,49	3,137	+, 024	—,009	2	—31 51 44,41	,991	, 051	+ ,03
6613	15 Com. Ber. e 5	6	18 42,61	3,010	—, 013	+,010	5	+29 11 13,11	,991	, 046	— ,08
6614	16 ——— α 4.5	8	18 43,83	3,014	—, 012	+,019	16	+27 44 25,70	,990	, 046	— ,04
6615	Crucis 7.8	3	19 7,57	3,271	+, 066	——	3	—60 50 42,04	,988	, 053	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6616	Centauri σ 5	12	12 19 9,38	+3,201	+,00042	——	15	—49 18 55,31	19,988	+,00052	——
6617	Virginis 9	4	19 14,77	3,061	, 000	+,015	4	+ 5 19 54,83	,987	, 050	—0,09
6618	37 Corvi 6	3	19 16,26	3,103	+, 013	+,007	4	—15 43 5,76	,987	, 051	— ,05
6619	Com. Ber. 7	3	19 17,56	3,009	—, 013	—,020	7	+29 1 27,39	,987	, 048	— ,11
6620	Crucis 7.8	3	19 18,15	3,273	+, 064	——	3	—60 52 51,34	,987	, 054	——
6621	160 Virginis 6.7	3	19 18,85	3,052	—, 001	+,020	4	+ 9 31 30,02	,987	, 049	— ,02
6622	—— 8	6	19 19,77	3,077	+, 004	+,002	3	— 1 27 49,63	,987	, 051	— ,23
6623	—— 6.7	4	19 24,05	3,078	+, 005	+,008	5	— 3 42 4,66	,986	, 051	— ,13
6624	—— 7.8	2	19 27,81	3,086	+, 008	——	2	— 7 45 43,91	,986	, 051	——
6625	Crucis 7	3	19 36,94	3,237	+, 055	——	3	—55 29 1,32	,985	, 054	——
6626	Centauri u 4	5	19 37,65	3,161	+, 029	—,008	4	—38 7 35,62	,984	, 053	— ,28
6627	403 Urs. Maj. 7	3	19 41,84	2,897	—, 037	—,013	3	+56 37 35,73	,984	, 048	— ,09
6628	Crucis 8	3	19 46,27	3,278	+, 065	——	3	—60 57 25,58	,984	, 055	——
6629	Virginis 8.9	4	19 50,91	3,037	—, 004	+,010	4	+16 31 53,62	,983	, 050	— ,02
6630	—— 7	6	19 54,28	3,060	, 000	+,014	6	+ 5 18 40,46	,983	, 052	— ,06
6631	Centauri 8	3	20 5,91	3,209	+, 043	——	3	—49 44 1,19	,981	, 054	——
6632	—— 7.8	3	20 25,00	3,151	+, 026	——	3	—33 55 10,07	,979	, 054	——
6633	Com. Ber. 8	4	20 29,77	3,011	—, 011	+,014	2	+26 48 49,75	,978	, 053	— ,02
6634	Crucis 8.9	2	20 38,50	3,264	+, 059	——	2	—58 6 33,33	,977	, 057	——
6635	17 Com. Ber. d 5.6	6	20 39,84	3,010	—, 011	+,012	5	+26 49 36,76	,977	, 053	— ,05
6636	174 Virginis 7	3	20 42,24	3,074	+, 004	+,002	2	— 1 30 53,87	,976	, 054	+ ,05
6637	Crucis 7	3	20 51,20	3,249	+, 055	——	3	—55 36 42,15	,975	, 057	——
6638	Virginis 7.8	2	21 5,27	3,059	, 000	+,005	4	+ 5 45 0,45	,973	, 054	+ ,04
6639	Centauri 6.7	3	21 9,55	3,177	+, 032	——	3	—40 49 17,89	,973	, 056	——
6640	Crucis 7	3	21 9,76	3,285	+, 063	——	3	—60 4 35,05	,973	, 058	——
6641	18 Com. Ber. 6	9	21 11,43	3,013	—, 010	+,007	11	+25 1 19,73	,972	, 054	— ,11
6642	Centauri 7.8	3	21 11,76	3,182	+, 033	——	3	—42 0 56,55	,972	, 056	——
6643	7 Corvi δ 3	6	21 20,29	3,106	+, 012	—,007	14	—15 35 45,19	,971	, 055	— ,21
6644	83 Com. Ber. 6.7	2	21 25,90	3,021	—, 007	+,029	3	+21 48 39,40	,970	, 052	— ,05
6645	187 Virginis 7	3	21 27,25	3,036	—, 004	+,008	4	+15 33 48,70	,970	, 052	+ ,06
6646	Virginis 6.7	6	21 35,02	3,099	+, 011	—,012	5	—12 28 37,27	,969	, 056	+ ,03
6647	Corvi 6	4	21 40,40	3,124	+, 017	+,015	3	—22 46 59,91	,969	, 057	— ,09
6648	Crucis γ 2.3	10	22 3,77	3,263	+, 055	——	9	—56 11 17,43	,965	, 059	——
6649	19 Virginis 6	4	22 10,77	3,047	—, 002	——	5	+10 37 51,85	,964	, 055	——
6650	32 Can. Ven. 6.7	2	22 13,08	2,903	—, 033	—,011	4	+52 26 51,52	,964	, 050	+ ,05
6651	405 Urs. Maj. 6	3	22 13,22	2,853	—, 039	+,015	5	+59 18 54,81	,964	, 051	+ ,18
6652	193 Virginis 7	3	22 22,82	3,078	+, 004	+,014	3	— 3 8 52,05	,963	, 057	— ,01
6653	Centauri 7.8	3	22 30,20	3,183	+, 032	——	3	—40 35 34,09	,962	, 058	——
6654	Crucis 7	3	22 30,62	3,285	+, 061	——	3	—58 30 39,26	,961	, 060	——
6655	Muscæ γ 4	1	22 43,47	3,460	+, 117	——	4	—71 13 15,28	,959	, 063	——
6656	21 Com. Ber. g 5.6	6	22 45,86	3,008	—, 010	+,006	5	+25 28 47,92	,959	, 055	— ,05
6657	Crucis 7.8	2	22 48,34	3,278	+, 061	——	2	—57 22 42,40	,959	, 060	——
6658	22 Draconis 6	2	22 49,73	2,703	—, 047	+,005	4	+70 6 59,03	,958	, 049	— ,05
6659	Crucis 7.8	8	23 4,08	3,264	+, 054	——	8	—55 13 3,76	,956	, 061	——
6660	Centauri 7	3	23 9,31	3,185	+, 031	——	3	—40 8 30,64	,955	, 060	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ —	″	″
6661	Virginis 6.7	5	12 23 10,46	+3,081	+,00006	+,011	5	— 4 8 30,23	19,955	+,00059	—0,07
6662	Corvi 6.7	3	23 14,56	3,107	+, 012	+,009	4	—14 48 3,91	,955	, 059	— ,12
6663	Virginis 7.8	2	23 17,37	3,044	—, 002	—,007	2	+11 11 3,81	,954	, 057	— ,07
6664	——— 8	4	23 19,27	3,039	—, 003	+,021	3	+13 2 23,98	,954	, 056	— ,16
6665	Hydræ 7.8	3	23 29,42	3,140	+, 020	——	3	—26 39 15,29	,953	, 060	——
6666	8 Corvi η 4.5	6	23 34,93	3,109	+, 012	—,022	6	—15 16 52,26	,952	, 060	— ,13
6667	Crucis 7.8	2	24 11,24	3,287	+, 058	——	2	—56 48 16,37	,946	, 065	——
6668	Centauri 8	3	24 14,88	3,238	+, 044	——	3	—49 44 24,44	,946	, 062	——
6669	——— 8	3	24 15,21	3,266	+, 052	——	3	—54 4 8,46	,946	, 063	——
6670	——— 7.8	7	24 38,05	3,194	+, 032	——	6	—40 30 5,79	,942	, 064	——
6671	20 Virginis 6	9	24 41,82	3,043	—, 002	+,005	7	+11 12 26,16	,942	, 060	— ,03
6672	Crucis 8	2	24 53,42	3,279	+, 054	——	2	—55 13 0,42	,940	, 067	——
6673	Corvi 8	2	25 9,31	3,132	+, 017	+,024	3	—22 35 55,80	,937	, 064	— ,12
6674	212 Virginis 7	3	25 11,25	3,049	, 000	+,014	4	+ 8 35 17,00	,937	, 061	— ,06
6675	21 ——— q 5.6	6	25 16,27	3,093	+, 009	+,001	6	— 8 32 26,24	,936	, 063	— ,05
6676	22 Comæ Ber. 6	6	25 20,52	3,002	—, 010	+,006	4	+25 11 40,85	,936	‘ 059	— ,04
6677	Corvi 7	5	25 26,07	3,133	+, 017	+,009	4	—22 38 7,25	,935	‘ 065	,00
6678	Canum Ven. p 6.7	3	25 30,00	2,970	—, 016	—,011	4	+34 9 36,31	,934	‘ 057	— ,05
6679	——— ——— 7	4	25 39,49	2,969	—, 016	—,003	4	+34 17 44,99	,932	‘ 057	— ,09
6680	9 Corvi β 2.3	7	25 44,12	3,133	+, 017	+,010	6	—22 29 1,04	,931	‘ 065	— ,10
6681	Centauri 5.6	3	25 48,79	3,215	+, 037	——	3	—43 45 8,11	,931	, 066	——
6682	3 Canum Ven. d 4.5	5	25 53,49	2,934	—, 022	—,065	5	+42 15 17,99	,930	, 056	— ,14
6683	218 Virginis 7	2	25 56,42	3,072	+, 004	+,011	4	— 0 29 49,18	,930	, 065	— ,01
6684	221 ——— 7	3	26 7,72	3,048	, 000	+,018	4	+ 8 38 51,15	,927	, 063	— ,07
6685	Crucis 7	3	26 9,85	3,344	+, 066	——	3	—60 49 44,06	,927	, 069	——
6686	Crucis 7	3	26 15,06	3,346	+, 066	——	3	—60 55 36,11	,926	, 069	——
6687	5 Draconis κ 3.4	5	26 23,73	2,632	—, 056	+,004	6	+70 41 54,82	,925	, 054	,00
6688	Comæ Ber. 7	4	26 32,80	2,999	—, 010	+,013	2	+25 8 4,40	,924	, 061	— ,05
6689	23 ——— ——— k 4.5	7	26 37,45	3,004	—, 009	+,012	5	+23 32 19,69	,923	, 061	— ,03
6690	24 ——— ——— l^1 7	4	26 49,71	3,016	—, 006	+,012	4	+19 17 11,12	,921	, 062	— ,09
6691	24 Comæ Ber. l^2 5.6	5	26 50,83	3,016	—, 006	+,006	5	+19 17 11,56	,921	, 062	— ,02
6692	109 Centauri 6	3	26 54,78	3,203	+, 032	+,008	4	—40 6 39,83	,920	, 069	— ,01
6693	——— 7.8	3	27 7,19	3,269	+, 049	——	3	—51 30 25,40	,918	, 069	——
6694	Muscæ α 4	6	27 26,20	3,471	+, 099	——	6	—68 13 27,43	,914	, 073	——
6695	24 Draconis 6	5	27 42,53	2,605	—, 058	+,023	4	+70 55 55,73	,912	, 055	— ,03
6696	Centauri 7	3	27 43,77	3,259	+, 044	——	3	—49 25 27,43	,911	, 069	——
6697	——— 7	3	27 46,84	3,199	+, 030	——	3	—38 24 58,08	,910	, 070	——
6698	Corvi 8	4	27 58,03	3,116	+, 012	+,019	4	—15 28 30,46	,908	, 069	— ,05
6699	25 Virginis f 6.7	4	28 17,97	3,085	+, 006	+,012	5	— 4 55 16,45	,904	, 069	— ,04
6700	Crucis 8	3	28 18,47	3,326	+, 060	——	3	—57 10 44,29	,904	, 072	——
6701	Crucis 7.8	3	28 35,56	3,327	+, 060	——	3	—56 57 24,13	,902	, 072	——
6702	25 Comæ Ber. 6	6	28 41,74	3,017	—, 005	+,015	4	+17 59 59,28	,901	, 066	— ,04
6703	Centauri τ 5	10	28 42,91	3,254	+, 042	——	5	—47 37 54,42	,900	, 070	——
6704	Virginis 9	4	28 43,96	3,026	—, 004	—,011	4	+15 9 44,71	,900	, 066	+ ,04
6705	240 ——— 7	3	28 45,61	3,042	—, 001	—,014	4	+ 9 42 23,74	,900	, 068	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6706	Crucis 7.8	7	12 28 54,74	+3,311	+,00055	——	6	—55 1 18,39	19,898	+,00075	——
6707	Virginis 7	7	28 57,84	3,063	+, 002	+,004	6	+ 2 45 51,68	,897	, 069	—0,02
6708	Hyd. & Crat. *d* 5.6	6	28 58,22	3,154	+, 019	+,006	5	—26 13 31,55	,897	, 072	— ,16
6709	Centauri 8.9	3	29 16,15	3,249	+, 039	——	3	—46 12 21,68	,894	, 073	——
6710	Virginis 7.8	3	29 24,89	3,053	+, 001	,000	4	+ 5 53 46,04	,892	, 070	— ,04
6711	Centauri 7.8	3	29 48,78	3,209	+, 031	——	3	—38 29 0,99	,888	, 075	——
6712	Draconis 7	3	29 57,10	2,563	—, 054	+,008	4	+71 5 37,91	,887	, 060	— ,02
6713	Virginis 6.7	5	30 14,79	3,082	+, 006	+,004	5	— 3 27 54,10	,883	, 072	— ,02
6714	254 ——— 7	3	30 16,81	3,025	—, 004	+,005	4	+14 42 57,32	,883	, 069	— ,01
6715	Centauri 6	3	30 18,09	3,171	+, 023	——	3	—29 30 47,86	,882	, 075	——
6716	Hydræ 6.7	2	30 39,21	3,168	+, 022	——	2	—28 37 42,46	,878	, 075	——
6717	26 Virginis *x* 4	13	30 44,35	3,093	+, 007	+,009	6	— 7 5 8,61	,877	, 073	— ,06
6718	43 Canum Ven. 6.7	7	30 48,86	2,911	—, 022	+,026	10	+41 46 59,34	,876	, 068	— ,11
6719	104 Com. Ber. 7	3	30 50,28	2,993	—, 009	+,010	4	+23 34 8,13	,876	, 069	— ,02
6720	Virginis 6	1	30 52,04	3,093	+, 007	+,011	4	— 7 7 19,41	,876	, 074	— ,14
6721	26 Com. Ber. *m* 6	6	30 54,53	2,999	—, 008	+,008	5	+21 58 15,66	,875	, 070	— ,04
6722	Centauri *l* 5	11	30 58,38	3,217	+, 031	+,002	4	—39 4 40,51	,874	, 077	— ,10
6723	261 Virginis 7	3	31 0,30	3,087	+, 006	+,013	4	— 5 11 31,30	,874	, 074	— ,03
6724	Centauri 7.8	3	32 10,70	3,247	+, 036	——	3	—43 11 37,98	,860	, 080	——
6725	113 ——— 6.7	3	32 20,77	3,261	+, 039	—,018	4	—45 14 28,69	,858	, 080	— ,01
6726	Virginis 7.8	6	32 25,48	3,025	—, 003	+,35?	6	+13 37 22,74	,857	, 074	— ,11
6727	Centauri *γ* 3	7	32 27,41	3,281	+, 042	——	7	—48 3 6,42	,856	, 080	——
6728	Hydræ 7.8	3	32 29,12	3,167	+, 021	——	3	—27 0 2,53	,856	, 080	——
6729	Crucis 5.6	4	32 30,52	3,383	+, 064	——	7	—58 46 42,79	,856	, 084	——
6730	Centauri 7.8	3	32 50,27	3,332	+, 053	——	3	—53 51 16,38	,852	, 081	——
6731	Centauri 7.8	5	32 50,50	3,274	+, 041	——	7	—46 41 56,83	,852	, 082	——
6732	Crucis 7.8	3	32 57,89	3,404	+, 067	——	3	—60 6 41,26	,850	, 085	——
6733	107 Com. Ber. 7	3	33 2,61	2,954	—, 014	+,015	4	+31 20 35,61	,849	, 070	— ,01
6734	27 Virginis 6	6	33 15,60	3,032	—, 001	+,013	5	+11 19 58,53	,847	, 076	— ,04
6735	29 ——— *γ*¹ 4	14	33 18,15	3,073	+, 005	—,033	9	— 0 32 35,41	,846	, 078	— ,04
6736	Virginis *γ*² 4	4	33 18,21	3,073	+, 005	—,037	9	— 0 32 35,41	,846	, 078	+ ,05
6737	Centauri 7.8	3	33 23,06	3,335	+, 055	——	3	—53 37 56,48	,845	, 083	——
6738	28 Virginis 6	6	33 26,28	3,093	+, 007	—,047	5	— 6 35 28,86	,845	, 079	— ,08
6739	Centauri 5.6	3	33 29,69	3,286	+, 044	——	3	—47 54 19,49	,844	, 082	——
6740	——— 6.7	3	33 30,63	3,349	+, 056	——	3	—55 2 24,88	,844	, 083	——
6741	30 Virginis *ρ* 5	6	33 31,98	3,033	—, 001	+,016	6	+11 8 47,29	,844	, 077	— ,17
6742	31 ——— *d*¹ 6	8	33 35,51	3,045	, 000	+,001	8	+ 7 42 49,67	,843	, 077	— ,08
6743	Crucis 6.7	2	33 49,12	3,354	+, 056	——	2	—55 16 11,37	,840	, 086	——
6744	——— 7	3	34 2,83	3,388	+, 063	——	3	—57 59 47,89	,837	, 087	——
6745	51 Can. Ven. 7	6	34 18,57	2,934	—, 016	—,020	8	+34 35 58,36	,834	, 074	— ,10
6746	Urs. Maj. *o* 6.7	3	34 19,59	2,669	—, 036	+,020	4	+63 37 11,13	,834	, 067	— ,04
6747	Can. Ven. 7	4	34 27,44	2,858	—, 023	+,006	4	+46 46 59,96	,833	, 071	+ ,03
6748	Centauri 7	2	34 28,27	3,235	+, 031	——	2	—39 16 16,50	,832	, 084	——
6749	Com. Ber. 7.8	3	34 32,80	2,959	—, 011	+,011	4	+29 16 2,89	,831	, 074	— ,17
6750	Centauri 7	3	34 56,12	3,223	+, 030	——	3	—36 47 35,59	,826	, 085	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6751	Can. Ven. 7	2	12 34 56,44	+3,031	—,00001	+,015	4	+11 0 31,68	19,826	+,00080	—0,10
6752	Centauri 7	3	35 4,62	3,216	+, 027	——	3	—35 26 38,27	,824	, 086	——
6753	Virginis 8.9	3	35 7,64	3,058	+, 002	+,013	3	+ 3 31 34,73	,823	, 081	,00
6754	111 Com. Ber. 6.7	7	35 10,05	2,967	—, 011	+,010	8	+27 1 56,35	,823	, 076	— ,01
6755	Crucis 7.8	3	35 10,99	3,379	+, 059	——	3	—56 22 51,03	,822	, 089	——
6756	Hyd. & Crat. e 6	5	35 14,17	3,177	+, 021	+,012	5	—27 25 0,73	,822	, 085	— ,13
6757	Centauri 7.8	3	35 22,57	3,346	+, 053	——	3	—53 10 49,55	,820	, 087	——
6758	Crucis 7.8	3	35 34,96	3,417	+, 066	——	3	—59 10 4,81	,817	, 091	——
6759	Centauri 8	4	35 35,19	3,334	+, 050	——	4	—51 51 0,61	,817	, 088	——
6760	Virginis 7.8	5	35 43,51	3,078	+, 005	+,008	4	— 1 56 13,69	,814	, 083	— ,03
6761	Crucis ι 6.7	3	36 0,06	3,434	+, 068	——	3	—60 4 25,13	,811	, 092	——
6762	Muscæ β 4	7	36 15,36	3,572	+, 100	——	6	—67 12 13,27	,808	, 095	——
6763	Centauri 7.8	5	36 44,47	3,362	+, 054	——	5	—53 42 29,26	,800	, 091	——
6764	—— o¹ 6.7	3	36 57,25	3,384	+, 058	——	3	—55 35 2,76	,798	, 091	——
6765	59 Can. Ven. 6	3	37 10,06	2,889	—, 019	—,005	4	+40 10 35,42	,795	, 078	+ ,08
6766	Virginis d² 6.7	3	37 17,12	3,038	+, 001	+,003	4	+ 8 34 36,37	,793	, 084	— ,08
6767	Centauri 8.9	3	37 33,69	3,300	+, 041	——	3	—46 22 35,85	,789	, 092	——
6768	Crucis 7.8	3	37 58,31	3,440	+, 066	——	3	—59 10 40,93	,783	, 097	——
6769	33 Virginis 6	5	37 59,76	3,030	, 000	+,029	5	+10 27 50,15	,783	, 085	— ,48
6770	—— 8.9	4	38 5,72	3,071	+, 004	+,024	4	+ 0 4 54,99	,782	, 087	— ,02
6771	311 Virginis 7	4	38 7,18	3,031	, 000	+,014	4	+10 11 23,49	,781	, 085	— ,09
6772	Crucis β 2	12	38 8,41	3,436	+, 066	——	10	—58 47 4,65	,781	, 096	——
6773	Virginis 8	4	38 13,55	3,070	+, 004	+,014	4	+ 0 14 26,54	,780	, 087	— ,05
6774	27 Com. Ber. n 6	7	38 24,16	3,001	—, 004	+,008	5	+17 28 49,85	,777	, 084	— ,03
6775	118 —— —— 7	6	38 25,77	2,967	—, 009	+,006	7	+25 3 28,63	,777	, 083	— ,25
6776	Crucis 8	3	38 26,49	3,438	+, 066	——	3	—58 41 25,38	,777	, 097	——
6777	Virginis 7.8	3	38 27,95	3,098	+, 008	+,015	4	— 6 53 40,12	,776	, 089	— ,08
6778	314 —— 6	3	38 39,71	3,044	+, 001	+,013	4	+ 6 51 21,24	,774	, 088	— ,07
6779	316 —— 7	3	38 42,39	3,031	, 000	+,018	4	+ 9 58 4,25	,774	, 087	— ,03
6780	34 —— 6	6	38 55,15	3,019	—, 001	+,004	5	+12 51 41,43	,770	, 087	— ,14
6781	Virginis 6.7	8	39 2,30	3,092	+, 007	+,009	5	— 5 23 49,73	,769	, 090	— ,05
6782	Centauri 7.8	3	39 9,25	3,289	+, 040	——	3	—43 48 58,79	,767	, 096	——
6783	35 Virginis 6	7	39 27,49	3,053	+, 002	+,009	5	+ 4 28 31,71	,762	, 090	— ,01
6784	Hydræ 6.7	3	39 39,43	3,187	+, 021	——	3	—26 41 33,87	,759	, 094	——
6785	122 Com. Ber. 7	3	39 52,11	2,963	—, 009	+,006	2	+24 59 52,91	,756	, 086	+ ,06
6786	327 Virginis 6.7	3	39 58,33	3,010	—, 002	+,002	4	+14 27 24,41	,754	, 088	— ,05
6787	Com. Ber. 7.8	3	40 6,26	2,985	—, 005	+,014	4	+20 13 27,43	,753	, 087	— ,03
6788	Centauri 7	3	40 17,28	3,368	+, 052	——	3	—52 27 38,91	,750	, 100	——
6789	—— 7.8	3	40 19,56	3,267	+, 033	——	3	—39 52 28,85	,749	, 098	——
6790	Muscæ 7.8	3	40 25,48	3,507	+, 076	——	3	—61 44 27,65	,748	, 104	——
6791	Crucis 7.8	3	40 30,22	3,470	+, 068	——	3	—59 29 53,16	,746	, 103	——
6792	332 Virginis 7	7	40 32,63	3,017	—, 002	+,037	8	+13 0 16,53	,745	, 090	— ,15
6793	29 Com. Ber. o 6	6	40 38,08	3,008	—, 003	+,022	6	+15 1 31,77	,744	, 089	— ,03
6794	26 Draconis 6	7	40 48,04	2,494	—, 042	+,042	11	+67 41 31,69	,742	, 075	+ ,02
6795	Crucis 7.8	3	41 4,26	3,442	+, 063	——	3	—57 16 1,00	,738	, 104	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6796	66 Can. Ven. 7	3	12 41 5,29	+2,793	—,00024	+,019	4	+49 22 0,76	19,738	+,00083	—0,06
6797	Centauri 7.8	3	41 13,24	3,321	+, 042	——	3	—46 19 14,17	,736	, 100	——
6798	30 Com. Ber. 6	5	41 14,65	2,941	—, 011	—,002	5	+28 27 8,73	,735	, 087	— ,07
6799	Centauri 7	3	41 34,77	3,379	+, 052	——	3	—51 53 10,73	,729	, 103	——
6800	Crucis 6	3	41 35,02	3,480	+, 069	——	3	—59 25 43,42	,729	, 106	——
6801	339 Virginis 7	3	41 35,61	3,099	+, 008	+,004	3	— 6 43 55,33	,729	, 094	— ,04
6802	Centauri F 6	3	41 45,51	3,229	+, 027	+,002	4	—33 5 52,27	,727	, 100	— ,06
6803	Virginis 7	3	41 58,44	3,041	+, 001	+,005	3	+ 7 7 40,86	,723	, 094	— ,14
6804	——— 6.7	6	42 48,39	3,112	+, 010	+,010	4	— 9 26 17,99	,710	, 098	— ,03
6805	Centauri 7	3	42 50,02	3,339	+, 043	——	3	—47 11 42,28	,709	, 105	——
6806	Centauri 7	3	42 53,42	3,271	+, 032	——	3	—38 46 47,14	,709	, 103	——
6807	——— 7	3	42 58,85	3,240	+, 028	+,002	4	—34 10 59,19	,707	, 103	— ,03
6808	Com. Ber. 7	4	43 3,07	2,981	—, 005	+,011	5	+20 3 35,85	,706	, 096	— ,06
6809	Centauri 6.7	3	43 9,96	3,192	+, 021	——	3	—25 50 25,13	,705	, 101	——
6810	37 Virginis 6	6	43 13,24	3,054	+, 002	+,009	5	+ 3 57 19,87	,704	, 097	— ,04
6811	Centauri 8	3	43 23,67	3,389	+, 051	——	3	—51 37 53,70	,700	, 106	——
6812	——— 7	3	43 34,47	3,419	+, 057	——	3	—54 3 14,55	,697	, 108	——
6813	Crucis 7.8	3	43 35,58	3,499	+, 069	——	3	—59 25 47,90	,697	, 111	——
6814	——— 8	1	43 36,30	3,504	+, 069	——	1	—59 42 31,95	,697	, 111	——
6815	31 Com. Ber. *p* 5.6	6	43 39,39	2,934	—, 011	+,008	5	+28 26 25,71	,696	, 092	— ,03
6816	Com. Ber. 8	5	43 44,78	2,978	—, 005	+,039	6	+20 3 58,66	,694	, 095	— ,07
6817	—— —— 7	4	43 44,82	2,978	—, 005	+,017	1	+20 4 16,07	,694	, 095	— ,01
6818	Centauri 6	3	43 49,20	3,354	+, 045	——	3	—48 2 36,77	,693	, 107	——
6819	Crucis 7	2	43 51,68	3,502	+, 069	——	2	—59 27 28,96	,692	, 112	——
6820	Com. Ber. 10	4	43 52,95	2,973	—, 006	+,027	4	+21 4 8,85	,692	, 094	— ,25
6821	134 Com. Ber. 7	4	43 59,79	2,988	—, 004	+,007	2	+17 58 24,27	,690	, 095	+ ,07
6822	Crucis 7	1	44 1,93	3,504	+, 069	——	1	—59 28 37,95	,690	, 112	——
6823	135 Com. Ber. 7	3	44 10,18	2,988	—, 004	+,017	4	+18 0 31,56	,688	, 095	— ,02
6824	Crucis 8.9	3	44 13,08	3,505	+, 069	——	3	—59 26 14,87	,687	, 112	——
6825	Centauri *n* 5	14	44 19,64	3,281	+, 033	+,008	4	—39 16 48,21	,684	, 106	— ,16
6826	Centauri 8	3	44 24,72	3,304	+, 036	——	3	—42 10 38,83	,683	, 106	——
6827	355 Virginis 7	3	44 31,00	3,136	+, 012	+,017	1	—14 4 7,54	,681	, 102	— ,01
6828	Crucis 7	3	44 40,08	3,478	+, 065	——	3	—57 31 57,81	,679	, 112	——
6829	Can. Ven. 10	4	44 44,20	2,786	—, 023	+,012	4	+47 40 26,79	,678	, 089	— ,09
6830	38 Virginis 6	6	44 44,74	3,083	+, 005	—,004	5	— 2 39 16,25	,677	, 101	— ,06
6831	Centauri 8	3	44 48,04	3,386	+, 049	——	3	—50 28 6,90	,676	, 110	——
6832	——— *o* 5	14	44 57,60	3,461	+, 062	——	8	—56 16 46,85	,674	, 112	——
6833	——— 6.7	3	44 58,93	3,462	+, 062	——	3	—56 16 13,78	,673	, 112	——
6834	Com. Ber. 7.8	3	45 2,09	2,934	—, 010	+,011	2	+27 41 46,14	,672	, 095	— ,19
6835	363 Virginis 7	3	45 3,03	3,108	+, 009	+,009	4	— 8 9 51,64	,672	, 102	— ,13
6836	35 Com. Ber. *q* 5	10	45 10,02	2,964	—, 006	—,001	5	+22 8 36,32	,670	, 096	— ,11
6837	41 Virginis 6	5	45 32,75	3,009	—, 002	+,010	5	+13 19 0,18	,664	, 099	— ,12
6838	40 ——— ψ 5.6	5	45 46,83	3,111	+, 009	+,002	6	— 8 38 26,75	,660	, 104	— ,03
6839	Centauri 6	3	45 49,02	3,321	+, 038	——	3	—43 14 41,17	,659	, 111	——
6840	140 Com. Ber. 7	3	45 53,75	2,932	—, 010	+,022	4	+27 40 40,01	,658	, 096	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6841	Virginis 9.10	4	12 45 54,05	+3,102	+,00008	+,016	3	— 6 42 44,24	19,658	+,00104	—0,16
6842	Centauri 7	3	45 57,42	3,306	+, 035	+,014	4	—41 23 37,92	,657	, 110	— ,10
6843	130 ——— 6	3	46 8,92	3,312	+, 036	+,004	4	—42 1 5,43	,653	, 110	— ,02
6844	——— 7	2	46 17,58	3,468	+, 062	——	2	—55 56 22,51	,650	, 116	——
6845	——— 10	3	46 41,70	3,452	+, 058	——	1	—54 39 54,68	,644	, 116	——
6846	77 Urs. Maj. ε 3	5	46 44,91	2,656	—, 028	+,029	5	+56 51 22,98	,643	, 085	— ,04
6847	42 Virginis 7	1	46 50,38	3,030	+, 001	——	—	+ 8 43 ——	,641	, 104	——
6848	——— 7	2	46 54,05	3,088	+, 006	+,006	4	— 3 36 36,70	,640	, 105	+ ,07
6849	Centauri 10	1	47 4,83	3,457	+, 060	——	1	—54 44 ——	,636	, 117	——
6850	Virginis 7.8	3	47 14,30	3,011	—, 001	+,022	4	+12 23 32,88	,634	, 103	— ,03
6851	Virginis 8.9	4	47 14,52	3,005	—, 002	+,026	4	+13 35 52,61	,633	, 102	— ,12
6852	43 ——— δ 3.4	12	47 17,70	3,050	+, 003	—,022	6	+ 4 17 46,12	,633	, 105	— ,07
6853	Centauri 7	3	47 19,99	3,363	+, 044	——	3	—46 47 26,11	,632	, 115	——
9854	——— 7	3	47 37,12	3,403	+, 049	——	3	—50 18 11,42	,627	, 117	——
6855	Hydræ 7	1	47 38,58	3,203	+, 021	——	1	—25 33 46,34	,626	, 111	——
6856	Camelop. O¹ 6.7	3	47 52,60	0,285	+, 243	—,018	4	+84 18 52,89	,623	, 009	— ,07
6857	——— O² 6	3	48 0,70	0,281	+, 243	+,014	4	+84 18 36,70	,620	, 009	— ,01
6858	Virginis 6.7	3	48 17,87	3,021	, 000	+,019	1	+10 12 38,19	,614	, 105	— ,09
6859	12 Can. Ven. α 2.3	5	48 18,17	2,843	—, 017	—,008	9	+39 12 39,19	,614	, 095	+ ,03
6860	Virginis 7.8	4	48 24,04	3,180	+, 017	+,019	4	—21 16 34,47	,612	, 112	— ,04
6861	Centauri 7	2	48 34,35	3,448	+, 056	——	2	—53 17 29,35	,610	, 120	——
6862	——— 7.8	3	48 50,60	3,366	+, 043	——	3	—46 10 12,74	,604	, 119	——
6863	Draconis Y 6	3	48 52,77	2,425	—, 033	+,017	4	+66 20 4,98	,603	, 083	— ,05
6864	Centauri 7	2	48 54,45	3,293	+, 032	——	2	—38 1 23,15	,603	, 116	——
6865	393 Virginis 7	3	48 55,44	3,025	, 000	+,003	4	+ 9 11 19,30	,603	, 107	+ ,10
6866	Centauri 8	3	48 57,05	3,416	+, 049	——	3	—50 36 56,96	,602	, 121	——
6867	342 Hydræ 7	2	49 23,25	3,188	+, 018	+,017	4	—22 9 37,90	,594	, 114	— ,05
6868	397 Virginis 6.7	4	49 34,25	3,019	, 000	+,013	4	+10 14 0,40	,591	, 108	— ,11
6869	Centauri 7	2	49 36,90	3,275	+, 030	——	2	—35 22 53,71	,590	, 117	——
6870	——— 7	3	49 45,39	3,298	+, 032	——	3	—38 12 41,08	,587	, 118	——
6871	Centauri 8	3	49 52,65	3,255	+, 027	+,011	4	—32 29 47,27	,584	, 118	— ,09
6872	——— 8	2	50 5,91	3,485	+, 061	——	2	—55 1 13,61	,580	, 125	——
6873	344 Hydræ 6.7	3	50 10,11	3,181	+, 017	+,003	4	—20 39 8,81	,579	, 115	— ,08
6874	Centauri 8	2	50 14,74	3,464	+, 057	——	2	—53 29 6,78	,577	, 124	——
6875	153 Com. Ber. 7	6	50 34,77	2,947	—, 007	+,019	9	+22 56 48,94	,569	, 107	— ,30
6876	36 ——— ——— r 4.5	16	50 45,64	2,974	—, 004	+,008	6	+18 18 2,92	,568	, 109	— ,08
6877	Centauri 8	2	50 47,61	3,322	+, 035	——	2	—40 29 53,35	,567	, 121	——
6878	——— 7	2	50 50,97	3,395	+, 046	——	2	—47 42 41,59	,566	, 124	——
6879	——— 7	3	50 58,15	3,280	+, 030	——	3	—35 17 20,19	,564	, 120	——
6880	Muscæ δ 4	6	51 3,06	3,913	+, 133	——	5	—70 39 21,71	,562	, 143	——
6881	44 Virginis k¹ 6	7	51 9,90	3,086	+, 007	+,007	5	— 2 55 12,44	,560	, 113	— ,08
6882	137 Centauri 6.7	5	51 32,08	3,262	+, 027	+,001	8	—32 36 35,41	,553	, 120	— ,06
6883	——— 6	6	52 0,98	3,264	+, 027	—,008	3	—32 43 54,10	,544	, 121	+ ,02
6884	46 Virginis k³ 6	7	52 6,54	3,084	+, 007	+,009	5	— 2 29 45,63	,542	, 115	— ,01
6885	37 Com. Ber. 5	13	52 22,27	2,884	—, 012	—,008	5	+31 39 37,98	,537	, 107	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
6886	84 Can. Ven. 7	3	12 52 32,10	+2,876	—,00013	+,005	4	+32 40 13,19	19,533	+,00107	—0,05
6887	159 Com. Ber. 6.7	3	52 33,38	2,965	—, 005	+,031	4	+19 15 41,58	,533	, 111	+ ,09
6888	Centauri 8	3	52 45,34	3,596	+, 073	——	3	—59 51 10,74	,529	, 136	——
6889	38 Com. Ber. 6	5	52 59,74	2,971	—, 004	+,008	5	+18 0 54,23	,524	, 113	— ,06
6890	Virginis 7	4	53 5,58	3,058	+, 004	+,023	4	+ 2 24 39,91	,522	, 117	— ,06
6891	Centauri 7.8	5	53 27,29	3,231	+, 023	——	5	—27 23 48,70	,515	, 122	——
6892	418 Urs. Maj. 5.6	4	53 37,91	2,589	—, 025	+,012	4	+57 15 25,98	,511	, 097	— ,02
6893	32 Draconis 5.6	3	53 39,24	2,322	—, 031	—,016	4	+67 29 17,78	,511	, 089	— ,04
6894	Centauri 8	3	53 47,23	3,528	+, 064	——	3	—55 45 20,19	,508	, 136	——
6895	47 Virginis ε 3.4	14	53 57,96	3,006	—, 001	—,010	13	+11 50 52,53	,505	, 117	— ,02
6896	Centauri 8	4	53 58,10	3,277	+, 028	+,015	4	—33 24 7,24	,505	, 125	+ ,03
6897	—— 6	3	54 3,33	3,426	+, 048	——	3	—48 38 14,84	,503	, 157	——
6898	—— 7.8	3	54 32,94	3,335	+, 034	——	3	—39 57 41,20	,493	, 128	——
6899	—— q 6.7	5	54 41,46	3,279	+, 028	+,003	4	—33 21 42,00	,489	, 128	+ ,02
6900	Com. Ber. 7	4	55 0,63	2,929	—, 007	+,011	3	+24 5 26,22	,483	, 115	— ,03
6901	Centauri 7.8	3	55 1,27	3,415	+, 045	——	3	—47 14 41,47	,483	, 133	——
6902	Com. Ber. 6.7	3	55 9,37	2,924	—, 007	+,007	4	+24 42 53,25	,480	, 115	— ,04
6903	33 Draconis 6	3	55 18,88	2,401	—, 028	—,008	4	+64 29 54,12	,477	, 092	+ ,07
6904	48 Virginis k⁴ 6	8	55 24,62	3,086	+, 007	+,005	4	— 2 46 24,41	,475	, 121	— ,09
6905	Centauri 8	3	55 24,84	3,454	+, 050	——	3	—50 9 9,37	,475	, 135	——
6906	Centauri 7	3	55 32,44	3,343	+, 035	——	3	—40 18 31,17	,471	, 131	——
6907	—— 7	2	55 39,62	3,407	+, 044	——	2	—46 13 40,18	,469	, 133	——
6908	Virginis 9	3	55 44,50	3,037	+, 002	+,004	4	+ 6 4 34,68	,467	, 122	— ,05
6909	—— 7.8	4	55 44,79	3,002	, 000	+,014	4	+12 7 10,21	,467	, 120	— ,05
6910	Centauri 7	3	55 52,34	3,473	+, 053	——	3	—51 13 44,31	,465	, 138	——
6911	Virginis 8	4	56 19,42	3,064	+, 005	+,007	4	+ 1 11 14,81	,455	, 123	— ,06
6912	Centauri 7	2	56 25,28	3,532	+, 061	——	2	—54 43 31,33	,454	, 140	——
6913	—— 6	3	56 45,57	3,430	+, 046	——	3	—47 34 34,28	,446	, 139	——
6914	Virginis 9	4	56 46,85	3,113	+, 009	+,027	4	— 7 15 43,38	,446	, 126	— ,11
6915	Urs. Maj. 8	4	57 13,74	2,602	—, 023	+,005	4	+54 50 26,24	,436	, 106	— ,11
6916	Centauri 6	3	57 16,63	3,355	+, 036	——	3	—40 42 7,51	,434	, 135	——
6917	—— 7	3	57 18,06	3,621	+, 072	——	3	—58 58 29,42	,434	, 146	——
6918	—— ξ² 5	5	57 19,13	3,452	+, 048	——	5	—49 1 12,04	,434	, 139	——
6919	Virginis 8.9	7	57 22,56	3,042	+, 003	+,020	9	+ 4 58 49,90	,433	, 125	+ ,16
6920	Urs. Maj. 8	3	57 34,33	2,601	—, 023	+,025	4	+54 44 32,96	,429	, 106	— ,10
6921	Centauri 8	4	57 43,87	3,495	+, 054	——	4	—51 51 54,22	,427	, 144	——
6922	—— 6.7	3	57 44,86	3,304	+, 030	——	3	—34 58 23,42	,425	, 135	——
6923	Virginis 6.7	6	57 45,27	3,154	+, 013	+,004	5	—14 1 53,24	,425	, 130	— ,06
6924	—— 9	4	57 51,83	3,043	+, 003	+,023	7	+ 4 50 0,17	,422	, 126	— ,09
6925	Centauri 7.8	3	57 53,06	3,290	+, 028	+,002	3	—33 13 57,05	,422	, 135	— ,06
6926	Centauri 7	2	57 53,16	3,507	+, 056	——	2	—52 34 27,31	,422	, 144	——
6927	14 Can. Ven. f 5	6	58 1,16	2,822	—, 014	+,011	8	+36 41 0,32	,419	, 116	— ,02
6928	Centauri 7	3	58 5,91	3,559	+, 064	——	3	—55 30 1,04	,417	, 147	——
6929	174 Com. Ber. 6.7	3	58 17,56	2,877	—, 010	+,004	4	+29 54 53,45	,413	, 119	— ,03
6930	39 —— —— t 5	6	58 18,45	2,935	—, 005	,000	5	+22 2 25,96	,413	, 122	— ,07

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
6931	40 Com. Ber. 6	3	12 58 20,49	+2,925	—,00006	+,022	5	+23 30 14,88	19,412	+,00122	+,00[illegible]
6932	172 —— —— 7	2	58 20,81	2,927	—, 006	+,024	4	+23 9 48,65	,412	, 122	— ,06
6933	Virginis 8.9	4	58 39,14	3,102	+, 008	+,005	4	— 5 11 49,46	,404	, 127	— ,06
6934	Centauri 7	5	59 13,10	3,313	+, 030	——	5	—35 20 28,38	,392	, 136	——
6935	41 Com. Ber. *u* 4	4	59 15,27	2,885	—, 009	+,011	16	+28 30 43,73	,391	, 121	— ,11
6936	49 Virginis *g* 5.6	2	59 15,69	3,130	+, 011	+,004	5	— 9 51 21,67	,391	, 131	— ,07
6937	Urs. Maj. 8	3	59 31,37	2,523	—, 023	+,023	4	+57 54 34,08	,386	, 107	— ,07
6938	Hydræ 7	3	59 48,54	3,212	+, 019	—,001	4	—22 13 16,21	,379	, 135	— ,11
6939	420 Urs. Maj. 6.7	3	59 50,75	2,396	—, 025	+,026	4	+62 55 39,89	,378	, 102	— ,05
6940	Centauri 7.8	3	59 52,93	3,450	+, 047	——	3	—47 38 32,94	,377	, 146	——
6941	Com. Ber. 6	6	59 59,40	2,883	—, 009	——	4	+28 26 29,69	,375	, 123	——
6942	1 Hydræ Con. *ψ* 4.5	3	13 0 11,05	3,213	+, 019	+,012	5	—22 14 1,15	,370	, 135	+ ,06
6943	Virginis 8	4	0 16,92	3,148	+, 012	+,002	3	—12 33 27,86	,368	, 133	+ ,11
6944	——— 7.8	3	0 57,96	3,169	+, 015	——	3	—15 38 1,24	,353	, 136	——
6945	Com. Ber. 7	2	1 0,08	2,946	—, 004	+,003	4	+19 30 26,77	,352	, 128	+ ,02
6946	Centauri 7.8	5	1 2,15	3,522	+, 055	——	5	—52 1 36,20	,351	, 154	——
6947	50 Virginis 6	4	1 7,65	3,130	+, 011	+,005	5	— 9 26 49,09	,349	, 134	+ ,11
6948	Centauri 7.8	3	1 11,87	3,517	+, 055	——	3	—51 41 7,02	,347	, 154	——
6949	——— 8	5	1 20,47	3,612	+, 068	——	5	—56 51 41,66	,344	, 155	——
6950	51 Virginis *θ* 4.5	4	1 24,89	3,100	+, 008	+,002	4	— 4 39 20,86	,343	, 133	+ ,03
6951	Com. Ber. 4.5	3	1 24,94	2,953	—, 003	+,025	4	+18 21 57,50	,343	, 130	— ,09
6952	Centauri 7.8	4	1 34,38	3,598	+, 065	——	6	—56 1 41,61	,339	, 155	——
6953	181 Com. Ber. 6.7	3	1 41,16	2,957	—, 003	+,004	3	+17 43 49,57	,336	, 130	— ,09
6954	Centauri 7	3	1 47,17	3,385	+, 037	——	3	—41 21 4,12	,334	, 146	——
6955	42 Com. Ber. *v* 4.5	3	1 57,64	2,946	—, 003	—,022	5	+18 25 14,34	,330	, 131	+ ,11
6956	Centauri *ω* 5	4	1 59,22	3,398	+, 039	,000	5	—42 29 12,18	,329	, 147	— ,02
6957	——— 6	3	2 3,82	3,667	+, 073	——	3	—59 2 24,07	,328	, 159	——
6958	Can. Ven. *g* 6.7	2	2 5,75	2,777	—, 016	—,017	3	+39 24 51,65	,327	, 122	— ,12
6959	Centauri 9	2	2 8,97	3,660	+, 073	——	2	—58 41 45,30	,326	, 159	——
6960	456 Virginis 6	4	2 12,92	3,129	+, 011	—,005	4	— 9 13 21,50	,324	, 136	+ ,08
6961	Centauri 9	4	2 16,53	3,685	+, 075	——	4	—59 40 50,86	,322	, 161	——
6962	——— 7	2	2 25,52	3,487	+, 049	——	2	—49 11 10,02	,318	, 152	——
6963	99 Can. Ven. 7	2	2 26,04	2,773	—, 016	+,011	2	+39 36 15,60	,318	, 123	— ,07
6964	100 —— —— 6.7	2	2 27,80	2,775	—, 016	—,001	3	+39 22 41,28	,317	, 123	+ ,04
6965	Centauri 7	4	2 41,40	3,671	+, 073	——	3	—58 55 58,01	,312	, 160	——
6966	Centauri 7	3	2 42,34	3,245	+, 022	——	3	—25 40 17,78	,312	, 143	——
6967	Urs. Maj. 7.8	3	2 45,83	2,499	—, 022	+,002	3	+57 42 42,35	,311	, 112	+ ,09
6968	Centauri *m* 5.6	6	2 52,86	3,343	+, 032	—,028	8	—36 55 30,09	,307	, 148	+ ,07
6969	53 Virginis 5	7	3 17,50	3,171	+, 014	+,020	5	—15 18 22,31	,298	, 140	— ,34
6970	Urs. Maj. 7.8	3	3 22,85	2,465	—, 022	,000	2	+58 55 28,96	,296	, 113	— ,05
6971	421 Urs. Maj. 7	3	3 26,28	2,344	—, 024	+,009	4	+63 6 34,32	,294	, 107	— ,03
6972	Can. Ven. 8	3	3 33,90	2,882	—, 008	+,016	4	+27 15 58,52	,292	, 129	+ ,01
6973	Centauri 7	2	3 39,44	3,505	+, 050	——	2	—49 49 15,01	,289	, 158	——
6974	——— 8	2	3 56,77	3,269	+, 024	——	2	—28 13 17,00	,282	, 146	——
6975	101 Can. Ven. 7.8	3	3 57,58	2,743	—, 016	—,029	4	+41 40 17,65	,282	, 124	— ,05

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
6976	Centauri	7.8	2	13 4 1,16	+3,656	+,00071	——	2	—57 48 21,46	19,281	+,00164	——
6977	——	6	3	4 5,64	3,666	+, 071	——	3	—58 13 6,51	,279	, 164	——
6978	43 Com. Ber. ω	6	5	4 10,07	2,868	—, 009	—,033	3	+28 43 1,06	,278	, 130	+0,87
6979	190 —— ——	7	3	4 11,73	2,897	—, 007	+,028	3	+25 8 16,52	,276	, 131	— ,03
6980	Virginis	6	6	4 20,34	2,989	, 000	+,003	5	+12 26 7,85	,273	, 137	— ,07
6981	Centauri	7.8	3	4 22,38	3,433	+, 041	——	3	—44 18 11,57	,273	, 154	——
6982	193 Com. Ber.	7	4	4 32,40	2,938	—, 004	—,027	2	+19 37 46,99	,268	, 134	— ,05
6983	Centauri	7.8	2	4 32,72	3,409	+, 038	——	2	—42 15 46,58	,268	, 153	——
6984	465 Virginis	6.7	2	4 39,46	3,192	+, 016	+,029	3	—17 56 52,52	,265	, 144	— ,04
6985	——	7	5	4 40,92	3,154	+, 012	+,001	4	—12 35 27,62	,264	, 142	— ,10
6986	Centauri	6.7	3	5 3,70	3,488	+, 047	——	3	—48 4 34,67	,256	, 159	——
6987	55 Virginis	6	6	5 22,16	3,201	+, 017	+,003	4	—19 3 42,20	,249	, 146	+ ,11
6988	——	7	7	5 33,41	3,056	—, 005	+,002	5	+ 2 20 8,67	,246	, 141	— ,05
6989	Urs. Maj.	6.7	3	5 47,47	2,572	—, 019	+,003	4	+52 46 35,65	,237	, 122	+ ,06
6990	110 Can Ven.	6.7	3	5 53,60	2,846	—, 010	+,010	4	+30 41 42,80	,234	, 132	,00
6991	Centauri	7.8	2	5 58,40	3,638	+, 066	——	2	—56 11 10,92	,233	, 168	——
6992	472 Virginis	7	3	6 6,35	3,135	+, 011	—,014	4	— 9 29 30,74	,230	, 144	+ ,01
6993	Can. Ven. m	5	3	6 13,32	2,739	—, 016	—,001	4	+41 1 42,75	,227	, 129	— ,08
6994	Virginis	7	8	6 18,18	3,142	+, 011	—,010	8	—10 28 45,62	,225	, 145	— ,31
6995	Centauri	8	3	6 19,92	3,551	+, 054	——	3	—51 32 20,70	,224	, 165	——
6996	Virginis	8	7	6 21,04	3,141	+, 011	+,005	3	—10 28 21,23	,224	, 145	— ,09
6997	——	8	3	6 54,06	3,119	+, 009	+,016	3	— 7 10 57,39	,209	, 145	— ,03
6998	57 ——	6	6	7 4,25	3,204	+, 017	+,002	5	—19 3 45,86	,206	, 149	— ,15
6999	480 ——	7	3	7 10,15	3,054	+, 004	+,002	4	+ 3 55 30,38	,204	, 143	— ,09
7000	Centauri	7.8	3	7 42,12	3,435	+, 040	——	3	—43 6 19,35	,189	, 162	——
7001	Centauri r	5.6	3	7 44,60	3,302	+, 026	+,017	4	—30 37 46,28	,188	, 155	+ ,06
7002	——	8	3	7 46,95	3,293	+, 025	——	3	—29 43 4,97	,187	, 155	——
7003	197 Com. Ber.	7	3	7 58,45	2,911	—, 005	+,014	4	+22 15 23,94	,183	, 140	— ,07
7004	Centauri	8	2	8 4,36	3,487	+, 046	——	2	—46 43 2,09	,181	, 164	——
7005	——	7.8	2	8 6,05	3,661	+, 068	——	2	—56 25 39,27	,180	, 174	——
7006	117 Can. Ven.	6.7	3	8 6,69	2,722	—, 016	+,013	4	+41 43 41,97	,180	, 131	— ,01
7007	Virginis	8.9	3	8 15,17	3,113	+, 009	+,011	3	— 6 3 39,87	,176	, 148	— ,11
7008	——	7.8	4	8 16,62	3,156	+, 012	+,018	3	—12 17 5,72	,175	, 149	— ,06
7009	Urs. Maj.	8.9	4	8 25,08	2,385	—, 021	—,033	7	+60 10 6,89	,173	, 119	+ ,03
7010	200 Com. Ber.	7	6	8 31,86	2,923	—, 004	—,004	11	+20 39 25,66	,168	, 141	— ,02
7011	Centauri	7	3	8 32,86	3,441	+, 040	——	3	—43 10 55,59	,168	, 164	——
7012	59 Virginis e	6	6	8 35,24	3,000	+, 001	—,017	5	+10 17 18,96	,166	, 145	+ ,16
7013	Centauri	7.8	3	8 42,94	3,549	+, 051	——	3	—50 24 47,73	,163	, 170	——
7014	Centauri	7	2	8 43,98	3,483	+, 045	——	1	—46 13 48,09	,162	, 166	——
7015	201 Com. Ber.	7	4	8 44,12	2,922	—, 004	—,003	2	+20 41 13,38	,162	, 142	+ ,02
7016	Virginis	7	3	8 46,74	3,175	+, 014	——	3	—14 40 21,68	,161	, 151	——
7017	——	6	6	8 49,02	3,138	+, 011	+,001	5	— 9 40 29,04	,161	, 150	— ,07
7018	Centauri	8	2	8 55,38	3,527	+, 049	——	2	—49 0 21,15	,158	, 170	——
7019	485 Virginis	6	3	9 6,02	2,968	—, 001	+,009	3	+14 32 46,58	,154	, 145	— ,02
7020	Centauri	8.9	2	9 8,61	3,716	+, 073	——	2	—58 22 15,95	,153	, 178	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ —	″	″
7021	60 Virginis σ 6	5	13 9 16,53	+3,027	+,00003	+,010	5	+ 6 20 30,55	19,148	+,00147	—0,02
7022	——— 8	4	9 29,58	2,967	—, 001	,000	4	+14 38 6,42	,143	, 146	— ,04
7023	61 ——— 4.5	14	9 47,30	3,196	+, 016	—,060	5	—17 23 27,19	,135	, 154	—1,05
7024	2 Hydræ Con. γ 4.5	12	9 58,06	3,236	+, 019	+,012	9	—22 17 53,75	,131	, 156	—0,06
7025	Virginis 8	4	9 59,96	3,109	+, 009	+,012	4	— 5 23 41,07	,130	, 151	— ,09
7026	20 Can. Ven. h 5	9	10 8,08	2,715	—, 015	+,012	5	+41 26 33,94	,127	, 135	— ,10
7027	Centauri 7	3	10 9,33	3,739	+, 074	———	3	—58 54 8,34	,127	, 183	———
7028	Virginis 8	4	10 17,77	3,155	+, 013	+,007	4	—11 46 38,11	,122	, 152	— ,05
7029	Centauri 7	2	10 35,03	3,415	+, 035	———	2	—40 19 16,33	,115	, 166	———
7030	——— 7	2	10 38,37	3,649	+, 064	———	2	—54 55 58,53	,113	, 180	———
7031	Centauri 7	3	10 39,24	3,588	+, 056	———	3	—51 52 38,04	,113	, 177	———
7032	Virginis 8	3	10 47,12	3,145	+, 012	+,011	4	—10 16 39,96	,109	, 154	+ ,01
7033	123 Can. Ven. 6	3	10 48,81	2,787	—, 012	+,014	4	+34 58 6,86	,108	, 139	— ,06
7034	Virginis 8	4	10 55,58	3,155	+, 013	+,006	4	—11 36 49,89	,105	, 154	— ,06
7035	491 ——— 7	3	11 3,50	3,149	+, 012	+,009	4	—10 48 7,37	,103	, 154	— ,02
7036	21 Can. Ven. 5	5	11 12,70	2,574	—, 017	+,001	5	+50 33 5,43	,099	, 131	+ ,03
7037	Centauri 6.7	3	11 16,90	3,495	+, 045	———	3	—46 0 39,42	,096	, 172	———
7038	——— ι 3	12	11 20,92	3,367	+, 031	—,021	5	—35 50 21,46	,095	, 166	— ,12
7039	——— 7.8	3	11 36,65	3,764	+, 076	———	3	—59 18 59,73	,087	, 188	———
7040	——— 8	3	11 39,25	3,649	+, 063	———	3	—54 32 55,99	,086	, 182	———
7041	62 Virginis 7	6	11 40,65	3,147	+, 012	+,003	5	—10 26 4,91	,085	, 155	— ,09
7042	——— 7.8	2	11 49,11	3,138	+, 011	+,013	4	— 9 19 19,15	,081	, 155	+ ,06
7043	Centauri Z¹ 7.8	6	11 59,77	3,790	+, 077	———	6	—60 6 13,06	,077	, 190	———
7044	——— 7.8	2	12 1,69	3,571	+, 052	———	2	—50 24 49,62	,076	, 178	———
7045	——— Z² 7	5	12 2,09	3,790	+, 077	———	2	—60 7 14,72	,076	, 190	———
7046	205 Com. Ber. 7.8	3	12 12,91	2,931	—, 003	+,015	4	+18 38 16,99	,072	, 149	— ,09
7047	Centauri 7	2	12 17,41	3,589	+, 054	———	2	—51 18 56,38	,070	, 180	———
7048	——— 8	2	12 33,62	3,396	+, 033	———	2	—37 59 5,17	,062	, 170	———
7049	Virginis 7.8	4	12 34,46	3,138	+, 011	—,006	4	— 9 7 58,93	,062	, 157	+ ,05
7050	Hydræ 6	3	12 38,59	3,211	+, 016	,000	4	—18 37 17,53	,059	, 159	— ,03
7051	Virginis 8	3	12 54,48	3,151	+, 012	+,012	4	—10 52 45,37	,052	, 158	— ,09
7052	131 Can. Ven. 6.7	3	12 54,94	2,707	—, 015	+,014	4	+41 1 7,35	,052	, 141	+ ,02
7053	Centauri 7.8	3	13 5,14	3,522	+, 046	———	3	—47 4 38,33	,048	, 178	———
7054	——— 7	2	13 13,87	3,532	+, 047	———	2	—47 41 47,96	,044	, 179	———
7055	497 Virginis 7	3	13 25,78	3,158	+, 013	+,017	4	—11 42 43,89	,038	, 159	+ ,03
7056	Can. Ven. 6.7	3	13 37,60	2,651	—, 016	+,003	4	+44 51 22,46	,031	, 139	+ ,04
7057	Com. Ber. 8	3	13 46,37	2,928	—, 003	+,026	2	+18 37 58,00	,028	, 152	+ ,02
7058	64 Virginis u 6	6	13 50,85	3,026	+, 003	+,009	5	+ 6 1 20,85	,025	, 156	— ,10
7059	Hydræ 8.9	3	13 55,29	3,202	+, 015	—,004	4	—17 9 48,08	,024	, 162	— ,11
7060	Centauri 7.8	2	13 56,63	3,412	+, 034	———	2	—38 45 40,75	,023	, 173	———
7061	Virginis 7	7	13 57,49	3,110	+, 009	+,004	7	— 5 19 48,87	,023	, 158	— ,23
7062	Centauri 7	3	13 59,89	3,570	+, 050	———	3	—48 57 21,69	,022	, 182	———
7063	——— 8.9	3	14 5,55	3,527	+, 046	———	3	—47 1 28,47	,019	, 180	———
7064	Can. Ven. 7.8	3	14 8,64	2,866	—, 007	+,010	4	+25 44 55,62	,018	, 148	— ,05
7065	63 Virginis 6	5	14 11,67	3,200	+, 015	+,009	5	—16 52 7,67	,016	, 161	— ,13

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ —	″	″
7066	Centauri	7.8	4	13 14 13,68	+3,638	+,00059	——	5	—53 8 5,02	19,015	+,00188	——
7067	——	7.8	3	14 25,85	3,598	+, 054	——	3	—51 0 41,52	,010	, 187	——
7068	——	7.8	2	14 28,55	3,639	+, 059	——	2	—53 3 2,53	,009	, 189	——
7069	——	7.8	3	14 37,28	3,592	+, 053	——	3	—50 38 22,08	,004	, 185	——
7070	65 Virginis	6	5	14 46,36	3,101	+, 008	—,003	5	— 4 3 32,12	,001	, 160	—0,07
7071	Can. Ven.	6.7	3	14 50,36	2,646	—, 016	+,015	4	+44 46 5,12	18,999	, 141	— ,01
7072	Centauri	7.8	3	14 58,65	3,397	+, 033	——	3	—37 10 10,38	,994	, 175	——
7073	——	7.8	2	15 11,69	3,603	+, 054	——	2	—50 58 45,02	,988	, 188	——
7074	Virginis	7.8	3	15 16,72	3,147	+, 012	+,017	4	—10 0 20,45	,986	, 162	— ,05
7075	Centauri	7.8	3	15 19,87	3,605	+, 054	——	3	—51 1 33,49	,984	, 188	——
7076	Centauri	7.8	2	15 31,12	3,357	+, 029	——	2	—33 25 33,86	,980	, 174	——
7077	——	8	2	15 55,83	3,537	+, 047	——	2	—46 57 22,60	,968	, 185	——
7078	66 Virginis	6	6	15 58,37	3,104	+, 008	+,020	5	— 4 17 56,26	,967	, 162	— ,06
7079	Centauri	7.8	3	16 2,10	3,602	+, 053	——	3	—50 37 1,73	,965	, 189	——
7080	——	6	4	16 24,60	3,556	+, 049	——	4	—47 55 25,94	,954	, 187	——
7081	67 Virginis	α 1	64	16 30,69	3,151	+, 012	+,005	76	—10 17 50,73	,951	, 164	— ,07
7082	Centauri	9	2	16 32,54	3,888	+, 087	——	2	—61 47 16,87	,950	, 206	——
7083	169 ——	5.6	3	16 35,41	3,425	+, 035	+,012	4	—38 53 25,85	,949	, 180	— ,07
7084	——	7	2	16 38,40	3,370	+, 030	——	2	—34 12 50,41	,948	, 176	——
7085	——	9	6	16 57,69	3,535	+, 046	——	4	—46 28 2,45	,938	, 187	——
7086	Centauri	7	—	17 ——	3,535	+, 046	——	3	—46 28 8,36	,936	, 187	——
7087	——	7	2	17 8,76	3,359	+, 029	——	2	—33 8 27,70	,933	, 177	——
7088	——	7	2	17 11,85	3,578	+, 049	——	2	—48 16 58,00	,931	, 189	——
7089	213 Com. Ber.	6.7	4	17 14,07	2,867	—, 006	—,002	4	+24 43 0,11	,930	, 155	— ,02
7090	79 Urs. Maj.	ζ 3	13	17 15,93	2,420	—, 016	+,039	7	+55 47 19,30	,929	, 134	— ,09
7091	512 Virginis	6.7	3	17 16,31	3,198	+, 015	+,004	4	—15 59 57,08	,929	, 167	+ ,08
7092	Centauri	8	2	17 16,56	3,843	+, 079	——	2	—60 12 8,38	,929	, 205	——
7093	Urs. Maj.	6.7	6	17 17,19	2,420	—, 016	+,046	3	+55 47 8,10	,929	, 134	— ,04
7094	Centauri	6	1	17 22,02	3,451	+, 037	——	1	—40 38 15,05	,926	, 182	——
7095	——	8	1	17 24,76	3,572	+, 049	——	1	—48 31 15,54	,925	, 190	——
7096	68 Virginis	4	6	18 0,90	3,165	+, 013	+,007	6	—11 50 48,02	,908	, 168	— ,05
7097	Centauri	8	2	18 3,45	3,707	+, 065	——	2	—54 55 9,78	,906	, 201	——
7098	Urs. Maj	7.8	5	18 16,44	2,413	—, 016	+,011	4	+55 45 32,25	,900	, 135	,00
7099	Virginis	7.8	3	18 19,39	3,111	+, 009	+,005	4	— 5 4 13,30	,899	, 167	— ,01
7100	Centauri	9	2	18 20,09	3,849	+, 079	——	2	—60 3 51,16	,898	, 208	——
7101	69 Virginis	P 5	4	18 36,17	2,408	—, 016	+,023	5	+55 50 56,86	,891	, 135	— ,06
7102	Centauri	8	4	18 37,52	3,572	+, 049	——	3	—48 6 38,56	,890	, 192	——
7103	80 Urs. Maj	g 5.6	6	18 39,91	3,192	+, 014	+,003	5	—15 6 54,87	,889	, 170	— ,03
7104	Hydræ	7	2	18 56,94	3,287	+, 022	——	2	—25 32 37,18	,880	, 176	——
7105	——	8	3	19 15,43	3,250	+, 019	+,012	3	—21 32 24,08	,872	, 174	— ,04
7106	Centauri	K 6	3	19 21,35	3,617	+, 052	——	3	—50 18 26,80	,869	, 196	——
7107	366 Hydræ	6.7	7	19 24,12	3,277	+, 022	+,011	8	—24 21 17,09	,867	, 176	— ,02
7108	Centauri	7	1	19 25,01	3,817	+, 076	——	1	—58 40 16,59	,866	, 210	——
7109	——	7.8	3	19 26,87	3,298	+, 023	——	3	—26 32 36,34	,865	, 177	——
7110	——	7	2	19 29,65	3,521	+, 044	——	2	—44 40 49,10	,864	, 191	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7111	Centauri 7	1	13 19 29,72	+3,651	+,00057	——	1	—51 54 0,68	18,864	+,00202	——
7112	—— 7.8	3	19 43,30	3,560	+, 047	——	3	—47 1 4,34	,857	, 195	——
7113	Virginis 8	4	19 48,97	3,142	+, 011	+,019	4	— 8 53 12,26	,854	, 171	—0,07
7114	—— 7	5	19 48,99	3,071	+, 006	+,019	6	+ 0 2 10,55	,854	, 168	— ,39
7115	Centauri 7.8	1	19 50,79	3,796	+, 073	——	1	—57 48 30,99	,853	, 210	——
7116	Centauri 9	2	20 21,30	3,512	+, 042	——	2	—43 51 19,39	,839	, 193	——
7117	38 Draconis 7	3	20 21,41	2,125	—, 015	—,012	2	+64 6 38,23	,838	, 120	+ ,25
7118	70 Virginis *w* 5.6	6	20 21,63	2,951	, 000	—,014	5	+14 39 45,75	,838	, 165	— ,60
7119	—— 7	2	20 23,64	2,934	—, 001	+,010	4	+16 33 54,16	,837	, 164	— ,08
7120	519 Virginis 7.8	3	20 28,97	3,112	+, 009	+,020	3	— 5 5 57,21	,835	, 171	— ,06
7121	520 Virginis 7	3	20 34,34	3,219	+, 017	—,020	4	—17 52 17,49	,832	, 175	— ,02
7122	Centauri 8	2	20 39,84	3,894	+, 083	——	2	—60 43 42,18	,829	, 210	——
7123	Hydræ Con. *u var.*	5	20 42,93	3,262	+, 020	+,004	5	—22 25 31,94	,827	, 177	,00
7124	Virginis 7	10	20 47,28	3,075	+, 006	+,008	5	— 0 28 21,58	,825	, 170	— ,31
7125	71 —— l^1 6	10	21 2,65	2,975	, 000	+,005	5	+11 40 34,79	,818	, 168	— ,06
7126	Hydræ 7	4	21 5,78	3,235	+, 018	—,010	4	—19 27 23,99	,816	, 177	— ,02
7127	Urs. Maj. 7	3	21 25,27	2,488	—, 014	+,006	4	+51 26 30,21	,807	, 142	,00
7128	Centauri *d* 4	10	21 30,40	3,442	+, 035	+,001	5	—38 33 9,64	,804	, 190	— ,14
7129	—— 8	2	21 32,84	3,928	+, 088	——	2	—61 29 24,48	,801	, 217	——
7130	Centauri 8.9	3	21 39,66	3,576	+, 048	——	3	—47 17 53,39	,798	, 199	——
7131	Virginis L^1 7	3	21 49,69	3,117	+, 009	—,008	4	— 5 36 56,02	,793	, 173	+ ,03
7132	Centauri 8	2	21 52,12	3,474	+, 037	——	2	—40 43 51,43	,792	, 194	——
7133	Urs. Min. 7	4	21 55,75	1,516	+, 008	+,004	4	+73 14 58,99	,790	, 086	— ,04
7134	425 Urs. Maj. 7.8	3	21 57,67	2,481	—, 014	+,011	4	+51 34 40,70	,789	, 143	— ,09
7135	214 Comæ Ber. *var.*	3	22 2,74	2,901	—, 003	+,011	4	+19 54 43,59	,787	, 165	+ ,05
7136	Virginis 8	1	22 12,73	3,083	+, 007	—,020	4	— 1 25 14,31	,782	, 172	— ,10
7137	—— 8	3	22 13,49	3,144	+, 011	+,007	5	— 8 50 14,91	,782	, 175	,00
7138	Centauri 7.8	3	22 18,20	3,356	+, 027	——	3	—31 17 11,52	,779	, 187	——
7139	534 Virginis 7	3	22 21,16	3,089	+, 007	+,009	4	— 2 11 50,75	,778	, 173	— ,01
7140	Urs. Maj. *y* 6	4	22 23,14	2,229	—, 015	+,003	4	+60 47 57,74	,776	, 124	— ,05
7141	Virginis 7	3	22 28,61	3,176	+, 013	——	3	—12 35 42,30	,773	, 177	——
7142	Centauri 7	2	22 31,26	3,566	+, 047	——	2	—46 24 45,92	,772	, 200	——
7143	—— 7	3	22 33,84	3,433	+, 034	——	3	—37 32 39,66	,770	, 192	——
7144	Virginis 9	6	22 41,46	3,082	+, 007	+,014	6	— 1 24 30,34	,766	, 173	— ,05
7145	Urs. Maj. 8	3	22 46,17	2,226	—, 015	—,008	4	+60 47 0,77	,764	, 125	+ ,15
7146	Hydræ 8	4	22 46,69	3,294	+, 022	+,009	4	—25 15 42,28	,764	, 184	,00
7147	Centauri 7.8	2	22 53,11	3,521	+, 042	——	2	—43 35 49,53	,760	, 199	——
7148	—— 9	3	23 9,58	3,813	+, 074	——	3	—57 22 35,54	,752	, 218	——
7149	73 Virginis 6	5	23 9,82	3,224	+, 017	+,006	4	—17 52 31,93	,752	, 180	— ,04
7150	Centauri 7	5	23 10,63	3,579	+, 047	——	5	—46 55 10,06	,752	, 202	——
7151	Virginis 7	8	23 19,71	3,083	+, 007	—,046	7	— 1 28 37,14	,747	, 175	+ ,21
7152	Centauri *s* 6	6	23 22,54	3,332	+, 025	—,003	5	—28 42 49,81	,745	, 187	— ,10
7153	74 Virginis l^2 6	9	23 23,75	3,116	+, 009	+,006	5	— 5 24 4,75	,745	, 176	— ,12
7154	Centauri 6.7	2	23 25,83	3,322	+, 024	——	2	—27 50 22,34	,744	, 186	——
7155	—— 7.8	3	23 26,64	3,458	+, 035	——	3	—39 7 10,02	,743	, 195	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7156	Virginis 8.9	4	13 23 45,23	+2,988	+,00001	+,009	4	+ 9 49 42,84	18,733	+,00172	+0,05
7157	Centauri 7.8	3	23 45,89	3,855	+, 076	——	3	—58 39 12,80	,732	, 223	——
7158	—— 7.8	2	23 46,91	3,510	+, 040	——	2	—42 34 16,01	,732	, 199	——
7159	Hydræ 7	1	23 47,48	3,302	+, 023	——	1	—25 44 7,69	,732	, 186	——
7160	Centauri 8	3	24 2,71	3,480	+, 037	——	3	—40 28 5,06	,724	, 198	——
7161	75 Virginis 6	6	24 3,42	3,195	+, 015	+,008	4	—14 30 41,09	,724	, 180	— ,04
7162	Centauri 7.8	3	24 4,71	3,965	+, 090	——	3	—61 46 48,81	,723	, 225	——
7163	—— 7.8	3	24 12,91	3,461	+, 035	——	3	—39 5 41,58	,719	, 197	——
7164	76 Virginis *h* 6	6	24 17,30	3,150	+, 011	+,011	6	— 9 18 43,04	,717	, 179	— ,05
7165	544 —— 7	3	24 27,72	3,084	+, 007	—,002	3	— 1 34 21,35	,711	, 177	— ,04
7166	Centauri 7	1	24 29,72	3,595	+, 048	——	1	—47 25 19,75	,710	, 207	——
7167	Virginis 7.8	3	24 32,53	2,940	—, 001	+,009	4	+15 14 40,54	,709	, 171	+ ,01
7168	Centauri 7.8	1	24 41,67	3,645	+, 052	——	1	—49 56 30,92	,703	, 210	——
7169	77 Virginis 7	8	24 47,99	3,128	+, 010	+,009	5	— 6 46 19,60	,700	, 179	— ,06
7170	546 —— 7	3	24 50,43	3,014	+, 003	—,012	4	+ 6 42 9,34	,699	, 176	— ,03
7171	162 Can. Ven. 7	3	24 59,97	2,531	—, 013	+,027	4	+48 5 7,91	,694	, 150	— ,05
7172	Centauri 8	3	25 26,93	3,968	+, 089	——	3	—61 29 52,07	,680	, 227	——
7173	548 Virginis 7.8	3	25 35,47	3,163	+, 013	+,007	4	—10 41 6,69	,675	, 182	— ,01
7174	Centauri 7.8	6	25 36,51	3,607	+, 049	——	7	—47 40 10,82	,674	, 210	——
7175	Urs. Min. 7	4	25 37,81	0,439	+, 113	—,027	4	+79 29 49,12	,673	, 023	+ ,05
7176	78 Virginis 6	6	25 46,66	3,032	+, 004	+,022	5	+ 4 30 34,49	,669	, 178	— ,03
7177	—— 7	4	25 52,08	3,067	+, 006	—,002	4	+ 0 32 0,16	,666	, 179	— ,07
7178	550 —— 6	3	25 55,17	3,178	+, 013	+,004	4	—12 21 53,98	,665	, 184	— ,02
7179	Centauri 7.8	1	25 55,19	3,844	+, 075	——	1	—57 39 1,74	,665	, 227	——
7180	—— 6.7	1	26 6,72	3,951	+, 086	——	1	—60 50 23,34	,659	, 231	——
7181	Centauri 8	2	26 10,33	3,615	+, 050	——	2	—47 57 15,74	,657	, 211	——
7182	79 Virginis ζ 4	16	26 17,65	3,069	+, 006	—,012	13	+ 0 15 2,03	,653	, 179	+ ,01
7183	Centauri 7	1	26 42,63	3,509	+, 039	——	1	—41 34 9,35	,639	, 206	——
7184	Virginis 8	4	26 51,63	3,106	+, 008	+,024	3	— 4 5 2,45	,634	, 182	+ ,03
7185	7 Bootis 6.7	4	26 54,64	2,954	, 000	+,010	6	+13 21 42,63	,633	, 176	+ ,04
7186	80 Virginis *l*³ 6	11	26 56,72	3,110	+, 008	+,008	5	— 4 33 10,34	,632	, 182	+ ,03
7187	—— 8	4	27 14,03	3,149	+, 011	+,016	5	— 8 56 13,32	,623	, 185	+ ,09
7188	Centauri 8	2	27 14,29	3,847	+, 074	——	2	—57 21 55,13	,623	, 230	——
7189	—— 6.7	2	27 17,20	3,539	+, 041	——	2	—43 17 50,35	,622	, 209	——
7190	—— 7	1	27 22,87	3,854	+, 075	——	1	—57 34 8,17	,619	, 230	——
7191	Centauri 7	1	27 23,28	3,518	+, 039	——	1	—41 56 6,81	,619	, 208	——
7192	171 Can. Ven. 7	2	27 23,46	2,856	—, 004	—,015	3	+23 20 28,67	,618	, 171	+ ,07
7193	172 —— —— 5.6	3	27 25,53	2,681	—, 012	+,013	4	+38 1 46,79	,617	, 164	— ,10
7194	Centauri 6.7	2	27 27,27	3,579	+, 046	——	2	—45 34 54,50	,616	, 212	——
7195	553 Virginis 7.8	3	27 39,13	2,991	+, 001	+,017	3	+ 9 8 18,85	,609	, 179	— ,03
7196	Hydræ Con. *f* 6	6	27 40,22	3,311	+, 023	—,016	4	—25 39 1,12	,609	, 194	— ,02
7197	Centauri 8.9	1	27 40,35	3,853	+, 075	——	1	—57 28 3,09	,609	, 231	——
7198	Can. Ven. *i* 5	3	27 42,38	2,479	—, 012	+,008	3	+49 51 41,60	,607	, 150	,00
7199	427 Urs. Maj. 5.6	3	27 46,18	2,325	—, 013	+,002	3	+56 11 43,51	,605	, 144	+ ,08
7200	Centauri 7.8	1	27 46,31	3,661	+, 052	——	1	—49 45 16,93	,605	, 218	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7201	174 Can. Ven. 8	3	13 27 56,08	+2,690	—,00011	+,016	2	+37 13 50,88	18,600	+,00165	—0,04
7202	Centauri 7	2	27 59,82	3,658	+, 052	——	2	—49 30 16,82	,598	, 218	——
7203	—— 7.8	2	28 6,59	3,837	+, 073	——	2	—56 46 44,69	,595	, 231	——
7204	—— 8	3	28 8,25	3,412	+, 030	——	2	—34 12 13,39	,594	, 202	——
7205	Virginis 8	3	28 11,63	3,211	+, 016	+,004	4	—15 36 5,25	,591	, 189	— ,12
7206	Centauri 7.8	1	28 17,12	3,522	+, 039	——	1	—41 55 16,51	,589	, 210	——
7207	—— 8	3	28 22,04	3,413	+, 030	——	2	—34 13 11,63	,586	, 203	——
7208	—— 7.8	1	28 42,36	3,644	+, 051	——	1	—48 39 4,97	,575	, 218	——
7209	557 Virginis 7	3	28 57,08	3,133	+, 010	+,006	3	— 7 1 40,54	,567	, 187	— ,13
7210	—— 9	4	29 3,05	3,123	+, 010	+,018	4	— 5 48 33,26	,563	, 186	— ,09
7211	Centauri 6.7	3	29 7,28	3,352	+, 025	+,005	4	—28 59 48,99	,561	, 200	— ,04
7212	559 Virginis 7	3	29 15,51	3,092	+, 007	,000	2	— 2 23 28,73	,557	, 185	— ,09
7213	Centauri 7.8	3	29 19,13	3,753	+, 063	——	3	—53 18 21,33	,555	, 228	——
7214	—— t 6	6	29 27,10	3,350	+, 025	—,007	4	—28 42 52,00	,551	, 201	— ,04
7215	—— 7.8	2	29 27,60	3,392	+, 028	——	2	—32 16 8,40	,550	, 204	——
7216	Virginis 9	6	29 27,62	3,078	+, 007	+,009	6	— 0 43 50,13	,550	, 184	— ,19
7217	Centauri s 3	8	29 29,22	3,737	+, 060	——	7	—52 37 25,32	,550	, 227	——
7218	—— 7	2	29 51,27	3,661	+, 051	——	2	—49 6 32,32	,537	, 223	——
7219	Virginis 8	4	29 59,60	3,097	+, 008	+,006	5	— 2 51 45,83	,532	, 187	+ ,04
7220	Centauri 6.7	2	30 1,83	3,484	+, 035	——	2	—38 54 19,49	,531	, 211	——
7221	Virginis 8.9	4	30 7,54	3,052	+, 005	+,006	3	+ 2 5 50,33	,528	, 186	— ,01
7222	13 Bootis 7	3	30 12,97	2,849	—, 004	+,004	4	+23 22 26,33	,525	, 175	— ,06
7223	Virginis 7.8	3	30 30,54	3,203	+, 015	+,017	3	—14 21 59,40	,515	, 193	— ,06
7224	—— 7	3	30 32,69	3,174	+, 013	+,017	4	—11 14 52,11	,513	, 192	+ ,01
7225	—— 7.8	4	30 41,28	3,013	+, 003	+,020	4	+ 6 24 18,49	,508	, 186	— ,04
7226	194 Centauri 7.8	3	30 56,54	3,331	+, 023	—,008	4	—26 44 12,88	,500	, 202	— ,02
7227	428 Urs. Maj. 7	2	31 5,68	2,419	—, 011	+,006	4	+51 33 24,18	,495	, 151	+ ,06
7228	14 Bootis 6.7	3	31 6,16	2,892	—, 002	+,015	4	+19 6 25,00	,495	, 180	— ,10
7229	Centauri 8	2	31 10,70	3,585	+, 044	——	2	—44 44 56,67	,492	, 220	——
7230	—— 8	2	31 15,38	3,593	+, 044	——	2	—45 11 17,46	,490	, 220	——
7231	Centauri 9	2	31 25,66	3,895	+, 075	——	2	—57 46 50,08	,484	, 242	——
7232	Urs. Maj. 7.8	2	31 27,92	2,411	—, 011	+,018	4	+51 48 3,13	,483	, 151	— ,06
7233	Centauri 7.8	3	31 28,39	4,005	+, 087	——	3	—60 53 59,81	,483	, 249	——
7234	—— 7.8	3	31 31,03	4,011	+, 087	——	3	—61 3 16,94	,480	, 249	——
7235	—— 7	6	31 39,10	3,585	+, 044	——	6	—44 39 14,50	,474	, 221	——
7236	Centauri 8.9	3	31 44,52	3,359	+, 024	——	3	—28 53 30,91	,472	, 205	——
7237	—— 8	3	32 2,29	4,009	+, 087	——	3	—60 52 20,52	,463	, 249	——
7238	—— 7.8	3	32 11,31	3,548	+, 040	——	3	—42 18 32,50	,458	, 220	——
7239	—— 7	3	32 12,74	3,845	+, 070	——	3	—55 55 49,82	,456	, 241	——
7240	Virginis 7	3	32 12,97	3,182	+, 013	+,003	4	—11 56 36,56	,456	, 195	— ,01
7241	Hydræ 7.8	3	32 16,16	3,323	+, 023	——	3	—25 41 35,08	,454	, 204	——
7242	373 —— 6.7	3	32 25,64	3,290	+, 020	+,010	4	—22 36 12,32	,448	, 202	— ,02
7243	Centauri 7	2	32 37,57	3,696	+, 053	——	2	—49 57 10,86	,443	, 230	——
7244	1 Bootis 6	8	32 47,58	2,871	—, 003	+,010	5	+20 47 31,82	,437	, 182	— ,06
7245	—— 7.8	4	32 48,05	2,871	—, 003	+,005	4	—20 51 1,96	,436	, 182	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7246	Centauri 7.8	3	13 32 55,79	+3,569	+,00042	——	3	—43 21 13,61	18,431	+,00223	——
7247	82 Virginis m 5.6	13	32 57,68	3,144	+, 010	—,001	5	— 7 52 0,73	,430	, 195	+0,03
7248	Centauri 7.8	3	32 59,23	3,929	+, 077	——	3	—58 23 59,49	,429	, 247	——
7249	188 Can. Ven. 6.7	3	33 2,01	2,780	—, 006	+,004	3	+28 54 9,72	,428	, 174	— ,04
7250	Centauri 8.9	3	33 4,13	3,930	+, 077	——	3	—58 23 59,08	,427	, 247	——
7251	Urs. Maj. T 5.6	3	33 6,80	2,350	—, 011	—,001	4	+53 45 26,46	,425	, 151	+ ,04
7252	Centauri 6.7	3	33 9,77	3,523	+, 037	——	3	—40 33 48,79	,423	, 220	——
7253	——— 8	3	33 10,32	3,536	+, 038	——	3	—41 20 38,04	,423	, 221	——
7254	2 Bootis 6	6	33 13,88	2,843	—, 004	+,009	5	+23 20 6,24	,421	, 180	— ,03
7255	Centauri 7.8	3	33 51,85	3,538	+, 038	——	3	—41 13 57,07	,399	, 222	——
7256	Centauri 8	2	33 52,79	3,596	+, 044	——	2	—44 36 5,11	,398	, 226	——
7257	——— 7	6	33 57,52	3,710	+, 053	——	5	—50 10 38,57	,396	, 234	——
7258	——— 7.8	1	34 7,00	3,508	+, 035	——	1	—39 20 33,16	,390	, 221	——
7259	Virginis 9	3	34 13,78	3,169	+, 012	+,001	4	—10 27 58,47	,385	, 199	— ,07
7260	Urs. Maj. 7	3	34 17,76	2,346	—, 011	+,013	4	+53 36 32,33	,383	, 152	— ,05
7261	432 Urs. Maj. 6	3	34 28,34	2,291	—, 011	+,017	5	+55 31 7,52	,377	, 150	— ,07
7262	Bootis 7.8	3	34 31,53	2,917	—, 001	+,017	4	+15 59 0,65	,376	, 187	— ,06
7263	Centauri 8	6	34 45,04	3,911	+, 075	——	7	—57 24 33,28	,368	, 250	——
7264	84 Virginis o 6	6	34 46,55	3,030	+, 004	—,006	4	+ 4 22 34,09	,367	, 193	— ,08
7265	Can. Ven. 9	3	34 51,84	2,773	—, 006	+,010	2	+29 2 17,01	,364	, 177	— ,13
7266	Can. Ven. 10	2	34 55,52	4,067	+, 092	——	2	—61 37 12,56	,363	, 257	——
7267	Virginis 7	4	34 57,72	3,103	+, 008	+,003	4	— 3 26 22,01	,361	, 197	— ,08
7268	——— 7	3	35 0,95	2,996	+, 002	+,026	4	+ 8 8 3,82	,358	, 192	+ ,01
7269	Centauri 7.8	3	35 18,07	3,670	+, 049	——	3	—47 57 39,28	,348	, 234	——
7270	Virginis 7	5	35 19,65	3,115	+, 009	+,003	5	— 4 39 52,21	,347	, 198	— ,05
7271	Virginis 7.8	2	35 30,23	3,172	+, 013	+,013	3	—10 36 11,64	,341	, 201	,00
7272	83 ——— 6	6	35 36,50	3,220	+, 015	+,025	5	—15 20 45,60	,338	, 204	— ,06
7273	Centauri 7	2	35 37,62	3,813	+, 065	——	2	—53 51 4,58	,338	, 246	——
7274	——— 7	2	35 45,69	4,081	+, 093	——	2	—61 45 31,98	,332	, 262	——
7275	568 Virginis 7	3	35 55,05	3,200	+, 015	+,012	4	—13 23 3,20	,328	, 204	— ,16
7276	Centauri 6.7	2	36 15,49	3,735	+, 055	——	2	—50 36 4,39	,315	, 240	——
7277	Virginis 7	7	36 18,45	3,136	+, 011	,000	6	— 6 48 10,43	,313	, 201	— ,08
7278	Centauri i 5	9	35 20,34	3,415	+, 028	—,056	5	—32 12 20,30	,312	, 219	— ,14
7279	Draconis 7.8	4	36 21,23	1,865	—, 007	+,001	7	+65 39 26,11	,312	, 119	— ,26
7280	Hydræ Con. g 6	6	36 25,45	3,329	+, 022	—,006	5	—25 17 2,07	,310	, 213	+ ,03
7281	Centauri 8	2	36 31,80	3,782	+, 061	——	2	—52 27 13,49	,305	, 245	——
7282	Virginis 9	4	36 39,18	3,095	+, 008	,000	4	— 2 28 59,86	,300	, 199	+ ,03
7283	85 ——— 6	6	36 42,75	3,217	+, 016	+,009	5	—14 56 8,99	,299	, 206	— ,14
7284	Centauri 7.8	2	36 43,77	3,758	+, 058	——	2	—51 26 22,55	,298	, 245	——
7285	Virginis 7	4	36 50,71	3,183	+, 013	+,013	4	—11 33 15,60	,293	, 205	,00
7286	Virginis 7	4	37 8,02	3,172	+, 012	—,004	4	—10 23 39,32	,283	, 204	+ ,12
7287	86 ——— O 6	7	37 9,54	3,184	+, 013	+,010	6	—11 35 47,80	,283	, 205	— ,03
7288	——— 6.7	3	37 9,92	2,975	+, 001	+,001	4	+ 9 53 32,16	,282	, 194	— ,08
7289	Centauri z 6.7	3	37 20,76	3,461	+, 031	—,005	3	—35 25 21,34	,276	, 225	— ,12
7290	——— 8	3	37 21,24	3,711	+, 053	——	3	—49 17 44,97	,276	, 241	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7291	485 Urs. Maj.	6.7	3	18 37 30,15	+2,341	—,00010	+,014	4	+52 53 46,39	18,270	+,00156	—0,02
7292	——	9	3	37 49,71	4,081	+, 091	——	3	—61 16 31,56	,257	, 264	——
7293	Centauri	9.10	4	37 49,78	4,081	+, 091	——	4	—61 16 25,26	,257	, 264	——
7294	Solittarii	7	3	38 14,17	3,256	+, 018	+,010	5	—18 25 36,73	,243	, 211	— ,02
7295	87 Virginis	6	3	38 27,87	3,242	+, 017	+,022	5	—17 1 51,65	,236	, 211	— ,18
7296	Centauri	8.9	8	38 30,19	4,095	+, 092	——	8	—61 26 56,45	,234	, 266	——
7297	——	7.8	3	38 32,36	3,651	+, 047	——	3	—46 8 48,10	,233	, 240	——
7298	——	7.8	3	38 45,34	3,648	+, 047	——	3	—45 56 9,66	,225	, 240	——
7299	1 Virginis	F 6.7	4	38 46,98	3,001	+, 003	—,023	6	+ 7 10 58,51	,223	, 198	— ,23
7300	201 Can. Ven.	7	3	38 48,17	2,726	—, 007	—,006	4	+31 43 47,52	,223	, 181	— ,10
7301	Virginis	7	4	38 48,79	3,129	+, 011	+,007	4	— 5 52 37,30	,222	, 206	— ,03
7302	——	8	3	38 49,21	3,087	+, 008	+,011	4	— 1 36 55,02	,222	, 204	,00
7303	Centauri	7.8	3	39 2,62	3,482	+, 032	——	3	—36 18 3,09	,214	, 229	——
7304	3 Bootis	6	5	39 3,52	2,791	—, 005	+,006	8	+26 31 58,18	,214	, 185	— ,05
7305	438 Urs. Maj.	6.7	2	39 6,70	2,216	—, 010	+,021	4	+56 43 28,81	,212	, 152	— ,09
7306	4 Bootis	τ 5	8	39 25,47	2,885	—, 001	—,022	10	+18 16 55,68	,202	, 194	,00
7307	Centauri	7	3	39 26,78	3,463	+, 031	——	3	—34 52 14,23	,200	, 229	——
7308	——	7.8	2	39 29,39	3,538	+, 036	——	2	—39 41 29,48	,198	, 235	——
7309	——	7.8	2	39 38,72	3,538	+, 036	——	2	—39 41 26,31	,195	, 235	——
7310	——	υ 4	5	39 38,52	3,558	+, 038	+,003	3	—40 51 42,12	,191	, 236	— ,08
7311	88 Virginis	7	7	39 40,74	3,130	+, 011	+,008	5	— 6 0 37,52	,190	, 207	— ,01
7312	Centauri	μ 4	5	39 42,79	3,572	+, 039	—,001	5	—41 38 53,86	,190	, 237	— ,12
7313	Hydræ	7	5	39 44,06	3,365	+, 024	——	6	—27 32 23,13	,189	, 222	——
7314	Centauri	8	3	39 46,42	3,931	+, 074	——	3	—56 45 25,35	,188	, 261	——
7315	2 ——	g 5	6	39 54,73	3,446	+, 030	+,003	6	—33 37 25,95	,183	, 229	— ,15
7316	580 Virginis	6.7	3	40 8,06	3,091	+, 008	+,013	3	— 2 0 54,18	,174	, 206	— ,05
7317	Centauri	8	4	40 10,32	3,931	+, 074	——	4	—56 39 0,33	,173	, 263	——
7318	439 Urs. Maj.	6	3	40 25,48	2,253	—, 009	+,021	4	+55 15 33,46	,164	, 155	— ,14
7319	89 Virginis	x 5.6	6	40 55,17	3,248	+, 017	,000	5	—17 18 32,07	,146	, 216	— ,18
7320	85 Urs. Maj.	η 2.3	22	41 1,65	2,388	—, 009	—,002	22	+50 8 20,90	,140	, 162	— ,07
7321	Solitarii	7	6	41 11,19	3,280	+, 019	+,004	5	—20 2 46,50	,135	, 218	— ,02
7322	2 Virginis	F 6.7	3	41 14,12	2,999	+, 003	+,002	4	+ 7 10 9,10	,133	, 202	— ,06
7323	Centauri	7.8	6	41 28,35	3,804	+, 060	——	5	—51 59 16,08	,125	, 257	——
7324	——	6.7	6	41 30,18	3,804	+, 060	——	6	—51 59 20,75	,123	, 257	——
7325	5 Bootis	υ 4	7	41 31,19	2,900	, 000	+,004	5	+16 37 8,75	,122	, 198	— ,06
7326	Bootis	7	3	41 34,12	2,930	, 000	+,002	3	+13 50 3,88	,120	, 200	+ ,17
7327	216 Centauri	6.7	3	41 36,06	3,667	+, 047	—,007	4	—46 4 35,08	,118	, 248	— ,11
7328	——	7	1	41 48,80	3,688	+, 049	——	1	—47 2 37,42	,111	, 249	——
7329	Bootis	7	3	41 49,79	2,928	, 000	—,012	2	+14 0 50,28	,109	, 200	— ,02
7330	584 Virginis	7	3	41 53,31	3,139	+, 011	+,004	4	— 6 46 25,08	,108	, 212	+ ,01
7331	Solitarii	7.8	4	41 54,00	3,282	+, 019	+,015	4	—20 9 44,71	,108	, 220	,00
7332	6 Bootis	6	6	41 54,51	2,838	—, 003	+,002	5	+22 5 18,42	,108	, 194	+ ,24
7333	Centauri	6	1	41 59,31	3,483	+, 032	——	1	—35 36 26,43	,104	, 235	——
7334	Virginis	7	3	42 11,14	3,141	+, 011	+,006	3	— 6 57 40,46	,097	, 212	+ ,07
7335	Centauri	6.7	1	42 16,48	3,411	+, 026	——	1	—30 29 46,31	,094	, 230	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7336	Centauri 7.8	1	13 42 18,53	+3,762	+,00054	——	1	—50 6 1,00	18,093	+,00255	——
7337	3 —— k¹ 4.5	10	42 19,78	3,434	+, 028	—,007	5	—32 10 21,21	,091	, 232	—0,13
7338	3 —— k² 7	4	42 20,47	3,434	+, 028	—,009	5	—32 10 20,51	,091	, 232	,00
7339	Bootis 7.8	4	42 33,45	2,836	—, 003	+,011	3	+22 4 33,95	,083	, 195	—,03
7340	Centauri 7.8	1	42 34,29	3,416	+, 027	——	1	—30 47 49,85	,083	, 231	——
7341	Bootis 7.8	3	42 36,43	2,836	—, 003	+,004	5	+22 5 50,54	,082	, 195	—,01
7342	Centauri 6.7	1	43 3,84	3,830	+, 062	——	1	—52 33 14,29	,064	, 262	——
7343	—— 7	2	43 38,55	3,863	+, 065	——	2	—53 35 43,60	,042	, 266	——
7344	—— 7.8	3	43 43,68	3,683	+, 047	——	3	—46 18 38,56	,038	, 253	——
7345	4 —— h 5	6	43 44,28	3,424	+, 027	+,007	5	—31 6 32,82	,038	, 234	—,12
7346	Virginis 7	4	43 47,75	2,939	+, 001	+,003	4	+12 45 19,35	,036	, 205	—,03
7347	Centauri y 6	3	43 55,67	3,479	+, 031	—,003	4	—34 50 45,81	,030	, 239	—,06
7348	Bootis 8	4	43 56,07	2,916	, 000	+,014	4	+14 50 49,71	,030	, 203	—,15
7349	Urs. Maj. 7.8	3	43 58,46	2,212	—, 009	+,018	3	+55 41 25,16	,029	, 156	+,03
7350	38 Bootis 6.7	3	44 13,74	2,936	+, 001	+,021	4	+12 59 2,55	,018	, 205	—,05
7351	Centauri 7.8	3	44 25,44	3,709	+, 049	——	3	—47 19 3,64	,012	, 256	——
7352	39 Bootis 7	3	44 36,78	2,885	—, 001	+,014	3	+17 33 1,10	,004	, 202	+,21
7353	Centauri 7.8	3	44 37,00	3,808	+, 058	——	3	—51 20 41,19	,004	, 264	——
7354	Virginis 7.8	2	44 40,30	3,093	+, 009	+,022	3	— 2 43 22,71	,002	, 215	—,0
7355	442 Urs. Maj. 6.7	3	44 47,11	2,074	—, 009	+,022	3	+59 21 30,02	17,997	, 150	+,05
7356	Hydræ 7	3	44 55,06	3,384	+, 025	+,010	3	—27 55 33,31	,993	, 233	+,04
7357	Hydræ Con. 6	5	44 57,77	3,382	+, 025	—,003	3	—27 45 2,20	,990	, 233	—,04
7358	Centauri 7.8	2	44 59,35	3,690	+, 047	——	2	—46 16 34,93	,989	, 256	——
7359	—— 7	3	45 4,12	3,467	+, 030	——	3	—33 46 43,63	,987	, 240	——
7360	Bootis 7.8	2	45 12,26	2,928	, 000	—,017	3	+13 33 34,66	,981	, 206	—,04
7361	Centauri ζ 3	6	45 17,41	3,695	+, 048	+,013	4	—46 28 22,13	,977	, 257	—,21
7362	—— 8	3	45 23,34	3,775	+, 054	——	3	—49 50 46,23	,973	, 262	——
7363	7 Bootis 6	6	45 31,83	2,869	—, 001	+,013	5	+18 44 56,49	,968	, 202	—,04
7364	Centauri 7	2	45 33,71	3,869	+, 064	——	2	—53 19 4,75	,967	, 271	——
7365	221 Can. Ven. 6.7	3	45 41,19	2,735	—, 005	+,007	4	+29 27 45,41	,963	, 191	—,10
7366	Centauri 8	1	45 43,31	3,734	+, 050	——	1	—48 4 37,00	,962	, 260	——
7367	—— 7	2	45 43,66	3,887	+, 066	——	2	—53 52 54,54	,962	, 273	——
7368	—— 6.7	1	45 46,40	3,592	+, 038	——	1	—41 10 52,13	,960	, 251	——
7369	—— 8	3	45 50,63	3,813	+, 058	——	3	—51 13 21,97	,956	, 267	——
7370	—— 7.8	2	45 51,64	3,615	+, 041	——	2	—42 23 6,11	,956	, 253	——
7371	Virginis 8.9	2	46 10,51	2,983	+, 004	+,009	5	+ 8 21 30,81	,944	, 211	—,09
7372	90 —— p 6	7	46 14,22	3,078	+, 007	+,004	5	— 0 41 14,27	,940	, 216	,00
7373	—— 7	7	46 19,63	3,147	+, 011	—,014	5	— 7 14 35,95	,936	, 220	—,01
7374	10 Draconis i 4.5	6	46 36,67	1,753	—, 002	+,025	6	+65 32 23,45	,927	, 122	—,01
7375	Virginis 8	5	46 37,27	2,981	+, 004	+,005	4	+ 8 29 22,26	,927	, 212	—,01
7376	8 Bootis η 3	16	46 49,82	2,861	—, 001	+,007	10	+19 13 40,73	,917	, 204	—,37
7377	Centauri 7.8	5	46 55,60	3,532	+, 034	——	5	—37 30 22,13	,913	, 249	——
7378	Virginis 8	3	46 56,54	3,028	+, 006	+,008	5	+ 4 5 14,61	,913	, 215	—,02
7379	229 Can. Ven. 7	3	46 59,53	2,713	—, 005	+,001	4	+30 43 45,16	,911	, 192	—,01
7380	Centauri 8	2	47 2,87	3,534	+, 035	——	2	—37 35 9,37	,909	, 249	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7381	Hydræ 7.8	3	13 47 11,19	+3,376	+,00024	——	3	—26 49 35,60	17,903	+,00237	——
7382	Centauri 7	3	47 22,82	3,747	+, 051	——	3	—48 12 29,07	,895	, 264	——
7383	Can. Ven. 7	3	47 25,05	2,384	—, 008	+,006	4	+48 41 9,23	,894	, 171	—0,07
7384	Camelop. 7	7	47 25,29	—2,183	+, 587	—,073	5	+83 34 42,54	,894	—, 158	— ,13
7385	Hydræ 8	3	47 33,82	+3,377	+, 024	——	3	—26 51 1,01	,890	+, 238	——
7386	444 Urs. Maj. 7	3	47 46,34	2,220	—, 008	—,001	3	+54 32 32,35	,882	, 161	— ,02
7387	43 Bootis 6.7	3	47 53,01	2,910	, 000	—,009	3	+14 52 3,83	,876	, 210	— ,05
7388	Virginis 8	4	47 54,74	3,169	+, 012	—,014	3	— 9 13 16,74	,875	, 224	— ,03
7389	605 ——— 7	3	48 3,67	3,051	+, 006	,000	4	+ 1 51 39,89	,870	, 217	— ,03
7390	Centauri 7	6	48 6,16	3,737	+, 050	——	6	—47 39 11,62	,868	, 266	——
7391	Centauri φ 5	6	48 16,54	3,605	+, 038	—,001	6	—41 17 28,13	,862	, 257	— ,17
7392	——— 8	3	48 28,36	3,469	+, 029	——	3	—33 10 5,20	,853	, 247	——
7393	——— υ^1 5	5	48 31,64	3,660	+, 043	—,007	5	—43 59 40,56	,851	, 261	— ,29
7394	Bootis 7	2	48 40,96	2,888	—, 001	+,008	4	+16 41 56,51	,844	, 210	+ ,08
7395	Centauri 7.8	3	48 44,65	3,409	+, 026	——	3	—28 56 3,23	,842	, 243	——
7396	Centauri 6.7	2	48 44,72	3,788	+, 053	——	2	—49 33 39,41	,842	, 270	——
7397	9 Bootis *l* 5	6	49 2,06	2,741	—, 004	+,011	5	+28 18 12,26	,831	, 197	— ,12
7398	Virginis 8	2	49 3,61	3,121	+, 010	+,010	4	— 4 40 21,75	,830	, 223	+ ,01
7399	Centauri 7.8	2	49 6,18	3,471	+, 029	——	2	—33 9 48,37	,828	, 248	——
7400	3 Hydræ Con. S¹ 6	5	49 16,71	3,346	+, 022	+,015	5	—24 9 46,79	,820	, 238	— ,10
7401	48 Bootis 7	3	49 19,93	2,826	—, 002	+,007	3	+21 45 47,83	,818	, 205	— ,12
7402	Virginis 7	3	49 36,86	3,193	+, 014	+,030	4	—11 14 41,10	,808	, 229	— ,19
7403	Bootis 7.8	2	49 41,67	2,931	+, 001	—,004	3	+12 46 15,08	,804	, 215	+ ,01
7404	Virginis 7	3	49 46,60	3,032	+, 006	+,007	3	+ 3 35 29,86	,801	, 220	— ,05
7405	Bootis 7	3	49 56,32	2,882	—, 001	+,010	4	+17 0 43,98	,795	, 211	—, ,06
7406	Can. Ven. 7	5	50 1,87	2,340	—, 007	+,025	5	+49 49 19,14	,792	, 171	— ,09
7407	Centauri 7.8	2	50 3,56	3,696	+, 046	——	2	—45 19 19,57	,790	, 267	——
7408	49 Bootis 7.8	3	50 10,87	2,876	—, 001	+,016	3	+17 12 39,61	,784	, 211	— ,03
7409	——— 6	5	50 42,19	2,899	, 000	+,004	2	+15 27 29,96	,762	, 213	— ,12
7410	4 Hydræ Con. S² 6	6	50 46,74	3,350	+, 022	—,016	6	—24 12 4,19	,759	, 242	— ,17
7411	Bootis 7.8	4	50 52,94	2,900	, 000	+,013	3	+15 22 3,56	,755	, 214	— ,01
7412	——— *e* 7	3	50 54,94	2,813	—, 002	+,018	4	+22 30 16,55	,755	, 207	— ,02
7413	Centauri 8	3	51 0,29	3,660	+, 043	——	3	—43 23 31,40	,151	, 266	——
7414	Bootis 9	4	51 4,42	2,888	—, 001	+,017	2	+16 21 18,63	,749	, 213	— ,12
7415	Virginis 7	6	51 16,78	3,101	+, 009	+,001	5	— 2 44 32,80	,739	, 226	— ,09
7416	Hydræ 7.8	3	51 17,70	3,368	+, 023	——	3	—25 27 18,89	,739	, 244	——
7417	Centauri 7.8	2	51 19,89	3,536	+, 034	——	2	—36 39 55,06	,737	, 257	——
7418	——— 8.9	4	51 23,07	4,133	+, 084	——	5	—59 32 32,06	,736	, 303	——
7419	——— 6.7	2	51 23,28	3,584	+, 037	——	2	—39 25 8,13	,736	, 261	——
7420	Virginis 7	6	51 23,53	3,152	+, 011	+,012	5	— 7 21 19,14	,736	, 229	— ,08
7421	Centauri υ^2 5	6	51 28,38	3,692	+, 045	,000	5	—44 48 0,00	,732	, 270	— ,06
7422	——— 7.8	3	51 34,81	3,535	+, 034	——	3	—36 31 42,93	,727	, 257	——
7423	Urs. Maj. 7	3	51 43,15	2,186	—, 007	—,007	4	+54 42 59,69	,722	, 162	— ,04
7424	Draconis 7.8	3	51 52,83	1,651	+, 004	+,025	4	+66 10 14,17	,714	, 121	— ,30
7425	Virginis 9	1	52 10,27	3,151	+, 011	+,020	4	— 7 16 5,77	,704	, 230	— ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7426	Centauri 7.8	3	13 52 15,04	+3,709	+,00046	—	3	—45 23 0,85	17,700	+,00272	—
7427	— β 1	9	52 15,15	4,142	+, 085	—	7	—59 34 18,13	,700	, 305	—
7428	— 7.8	3	52 21,08	3,984	+, 071	—	3	—55 24 44,97	,696	, 294	—
7429	— 7.8	2	52 47,30	3,859	+, 058	—	2	—51 15 35,30	,677	, 284	—
7430	Urs. Maj. 7	3	52 52,21	2,203	—, 007	+,001	4	+53 54 37,40	,675	, 165	—0,04
7431	Hydræ Con. h 5.6	6	53 1,06	3,388	+, 024	+,001	6	—26 37 45,03	,669	, 249	— ,09
7432	93 Virginis r 4.5	8	53 15,41	3,045	+, 006	+,009	10	+ 2 20 46,93	,659	, 226	— ,09
7433	Hydræ 7.8	3	53 17,88	3,381	+, 024	—	3	—26 2 51,37	,657	, 249	—
7434	Bootis 7	3	53 19,93	2,906	+, 001	—,002	3	+14 31 56,20	,655	, 218	+ ,02
7435	Centauri 6.7	3	53 26,15	3,616	+, 038	—	3	—40 37 25,99	,651	, 268	—
7436	Virginis 7	3	53 27,87	3,290	+, 018	+,006	3	—19 0 34,80	,650	, 242	— ,10
7437	Centauri 6	2	53 28,71	3,451	+, 028	—	2	—30 53 15,16	,649	, 256	—
7438	Virginis 8	5	53 31,39	3,197	+, 014	+,038	7	—11 14 10,81	,647	, 236	— ,02
7439	11 Bootis 6	6	53 41,38	2,730	—, 004	+,011	5	+28 11 12,31	,640	, 204	+ ,01
7440	57 — 7.8	3	53 45,26	2,870	—, 001	+,010	4	+17 33 26,28	,638	, 216	+ ,03
7441	58 Bootis 7	3	53 45,83	2,858	—, 001	+,016	3	+18 28 21,07	,638	, 215	— ,13
7442	Virginis 7.8	3	54 30,77	3,022	+, 006	+,006	3	+ 4 20 56,44	,607	, 228	— ,08
7443	Draconis 8	3	54 33,85	1,685	+, 002	+,019	3	+65 11 17,41	,605	, 127	+ ,25
7444	Centauri 6.7	4	54 42,45	3,950	+, 067	—	4	—53 52 23,38	,598	, 296	—
7445	— 6.7	2	54 47,39	3,951	+, 067	—	2	—53 52 21,23	,595	, 296	—
7446	Centauri 7	2	54 51,22	4,137	+, 083	—	2	—58 55 19,25	,592	, 312	—
7447	Bootis 7.8	3	55 0,62	2,889	, 000	—,001	3	+15 46 24,43	,586	, 219	— ,02
7448	Centauri 8.9	1	55 4,33	4,141	+, 083	—	1	—58 57 38,14	,584	, 312	—
7449	Virginis 6.7	5	55 31,93	3,234	+, 015	+,010	5	—14 10 29,38	,563	, 242	— ,06
7450	— 7	8	55 37,82	3,167	+, 012	+,005	5	— 8 27 41,58	,559	, 237	— ,07
7451	Can. Ven. 6.7	3	55 38,58	2,389	—, 007	+,010	4	+46 33 16,52	,559	, 182	— ,10
7452	Centauri 9	2	55 45,46	4,177	+, 085	—	2	—59 40 39,34	,554	, 315	—
7453	— 7.8	1	55 53,97	3,694	+, 044	—	1	—43 53 39,07	,548	, 279	—
7454	— χ 5	10	56 0,42	3,622	+, 038	+,014	5	—40 23 4,80	,544	, 273	— ,15
7455	Virginis 7	2	56 18,48	3,234	+, 015	—,004	3	—14 3 39,14	,532	, 243	— ,09
7456	Virginis 9	4	56 28,32	3,165	+, 012	+,011	4	— 8 15 12,87	,525	, 238	— ,04
7457	— 7	3	56 29,08	2,982	+, 004	,000	1	+ 7 47 37,55	,524	, 228	+ ,06
7458	Centauri 7.8	3	56 31,25	3,764	+, 049	—	3	—46 47 46,20	,522	, 285	—
7459	— 7.8	3	56 46,94	3,513	+, 031	—	3	—34 6 22,36	,510	, 267	—
7460	252 Can. Ven. 7	3	56 51,20	2,243	—, 006	+,017	3	+51 46 1,41	,507	, 172	— ,15
7461	Hydræ 8	4	56 57,15	3,386	+, 024	+,015	4	—25 47 6,28	,503	, 256	,00
7462	5 Hydræ Con. π 4.5	10	56 59,72	3,386	+, 024	+,010	5	—25 52 59,94	,501	, 256	— ,14
7463	5 Centauri θ 2	10	57 0,07	3,538	+, 033	—,046	5	—35 33 14,63	,501	, 270	— ,54
7464	— 7.8	3	57 3,89	3,825	+, 052	—	3	—49 4 53,54	,498	, 291	—
7465	— 7	3	57 8,88	3,795	+, 051	—	3	—47 54 42,49	,494	, 289	—
7466	Centauri 7.8	2	57 22,51	4,140	+, 081	—	2	—58 29 11,84	,485	, 316	—
7467	— 7.8	2	57 22,95	3,525	+, 032	—	2	—34 42 2,02	,485	, 270	—
7468	94 Virginis 6	5	57 34,12	3,164	+, 012	+,006	5	— 8 6 0,99	,477	, 240	— ,04
7469	95 — 6	6	57 59,92	3,170	+, 012	+,001	5	— 8 31 21,03	,458	, 241	— ,06
7470	Centauri 9	2	58 0,09	4,202	+, 086	—	2	—59 47 33,70	,458	, 322	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
7471	Centauri 7	5	13 58 3,26	+3,518	+,00031	—	5	—34 9 33,98	17,454	+,00269	—
7472	Virginis 7	3	58 8,49	2,935	+, 003	—,001	4	+11 37 1,08	,451	, 227	—,04
7473	631 ——— 7.8	3	58 12,05	2,981	+, 005	+,009	4	+ 7 47 48,77	,449	, 231	—,05
7474	16 Urs. Min. 7	3	58 13,07	1,310	+, 022	+,005	4	+69 28 27,59	,449	, 102	—,00
7475	630 Virginis 7	6	58 15,66	3,253	+, 016	+,005	7	—15 23 58,97	,447	, 249	—,04
7476	73 Bootis 7.8	3	58 37,90	2,859	, 000	+,014	4	+17 45 37,35	,431	, 222	—,04
7477	Centauri 7.8	3	58 39,54	3,681	+, 041	—	3	—42 40 55,02	,430	, 283	—
7478	——— 7	3	58 47,89	3,881	+, 057	—	3	—50 43 0,79	,424	, 299	—
7479	Solitarii 10	3	58 53,99	3,298	+, 018	+,029	4	—18 55 58,28	,420	, 253	—,09
7480	Centauri R 6.7	2	58 59,46	3,941	+, 062	—	2	—52 38 52,64	,415	, 304	—
7481	Hydræ 9	3	59 9,96	3,393	+, 024	,000	3	—25 51 48,81	,408	, 261	—,08
7482	75 Bootis 7	3	59 32,13	2,698	—, 004	+,002	4	+29 13 38,48	,392	, 209	—,02
7483	Virginis 8	6	59 33,41	3,210	+, 014	+,044	6	—11 46 39,77	,391	, 247	—,09
7484	633 ——— 7	5	59 39,19	3,201	+, 014	,000	4	—11 2 28,88	,387	, 247	—,05
7485	Centauri 8	3	59 40,80	3,522	+, 031	—	3	—34 5 39,20	,384	, 273	—
7486	Centauri 7.8	1	59 47,82	3,742	+, 046	—	1	—45 7 38,74	,380	, 290	—
7487	634 Virginis 7.8	6	59 54,54	3,294	+, 018	+,004	6	—18 27 22,98	,377	, 254	—,07
7488	11 Draconis α 3.4	13	59 55,34	1,627	+, 005	+,002	6	+65 9 56,48	,376	, 127	—,06
7489	Centauri 7.8	2	14 0 7,11	4,049	+, 072	—	2	—55 35 49,93	,366	, 315	—
7490	96 Virginis y 6.7	9	0 13,77	3,184	+, 013	+,010	5	— 9 32 55,81	,362	, 246	+ ,02
7491	Centauri 7	2	0 27,23	3,816	+, 051	—	2	—47 59 42,84	,351	, 299	—
7492	Lupi 8	6	0 30,80	3,769	+, 047	—	6	—46 7 36,52	,349	, 293	—
7493	Centauri 7.8	2	0 50,14	3,835	+, 052	—	2	—48 39 4,10	,334	, 299	—
7494	Virginis 7.8	4	1 8,03	3,029	+, 007	+,009	4	+ 3 34 57,95	,320	, 238	—,02
7495	Bootis S 6	3	1 19,77	2,404	—, 007	+,009	4	+44 38 28,45	,312	, 191	—,13
7496	Virginis 8	3	1 22,49	2,939	+, 003	+,012	3	+11 2 6,09	,310	, 233	—,26
7497	Centauri 8	3	1 22,95	4,025	+, 070	—	5	—54 41 43,35	,310	, 316	—
7498	Virginis 7.8	5	1 34,30	2,939	+, 003	+,013	2	+11 2 36,12	,301	, 233	—,08
7499	Bootis 6.7	3	1 42,71	2,872	+, 001	—,011	4	+16 24 31,03	,295	, 228	—,11
7500	Virginis 6	6	1 50,61	3,259	+, 017	+,020	6	—15 31 7,10	,290	, 255	—,05
7501	86 Bootis 6	3	2 6,80	2,255	—, 006	+,003	4	+50 14 24,91	,278	, 180	+,06
7502	Centauri 7	3	2 13,75	3,969	+, 064	—	3	—52 53 8,29	,272	, 314	—
7503	Virginis 7	1	2 17,10	3,205	+, 014	—,001	3	—11 10 7,31	,270	, 251	—,07
7504	638 ——— 7.8	4	2 19,20	3,133	+, 011	—,003	4	— 5 11 29,30	,269	, 246	—,01
7505	639 ——— 7	3	2 24,00	3,052	+, 008	+,011	3	+ 1 35 1,85	,265	, 240	—,04
7506	Virginis 7.8	2	2 31,40	4,003	+, 067	—	2	—53 50 46,93	,260	, 317	—
7507	——— 8.9	2	2 31,93	3,187	+, 014	+,007	2	— 9 41 47,23	,260	, 250	+,02
7508	——— 8.9	1	2 40,22	3,009	+, 007	+,005	2	+ 5 11 11,17	,255	, 239	+,03
7509	Centauri 7.8	3	2 44,98	3,661	+, 039	—	3	—40 51 47,21	,250	, 290	—
7510	——— 7.8	3	2 49,15	3,645	+, 037	—	3	—40 3 13,73	,248	, 289	—
7511	12 Bootis d 5.6	6	2 52,39	2,739	—, 002	+,007	4	+25 52 34,13	,246	, 218	—,14
7512	Lupi 7.8	3	3 12,00	3,761	+, 046	—	3	—45 12 29,38	,230	, 298	—
7513	642 Virginis 7	6	3 14,43	3,135	+, 011	+,016	3	— 5 20 50,27	,228	, 248	—,12
7514	Centauri 7.8	2	3 19,97	3,899	+, 054	—	2	—50 23 3,75	,224	, 310	—
7515	6 Hydræ Con. 5	8	3 20,14	3,412	+, 025	+,005	6	—26 28 50,62	,224	, 270	—,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7516	Centauri X 5.6	2	14 3 31,80	+4,100	+,00073	——	2	—56 18 30,39	17,215	+,00328	——
7517	97 Virginis 7	7	3 46,62	3,181	+, 013	+,026	5	— 9 7 12,85	,204	, 252	—0,03
7518	Libræ 6	3	3 48,34	3,404	+, 024	——	3	—25 50 0,58	,203	, 270	——
7519	Virginis 6	5	3 55,24	3,033	+, 007	+,005	4	+ 3 11 25,27	,198	, 242	— ,01
7520	—— 8	1	3 59,60	3,097	+, 009	+,015	1	— 2 11 29,44	,194	, 246	— ,10
7521	Bootis D 7	3	4 3,39	2,622	—, 004	+,008	3	+33 4 28,17	,191	, 210	+ ,02
7522	98 Virginis κ 4	12	4 6,30	3,186	+, 013	+,007	4	— 9 30 8,39	,189	, 243	+ ,08
7523	93 Bootis 8	3	4 13,66	2,824	, 000	+,023	3	+19 43 32,15	,183	, 227	+ ,01
7524	Virginis 7	4	4 14,16	3,101	+, 010	—,002	5	— 2 31 38,17	,183	, 246	— ,36
7525	Centauri 7.8	2	4 16,91	3,978	+, 064	——	2	—52 44 5,86	,181	, 318	——
7526	Bootis 7.8	6	4 37,34	2,964	+, 004	+,006	2	+ 8 47 14,79	,167	, 238	— ,08
7527	Centauri 7.8	1	4 53,65	3,655	+, 037	——	1	—40 7 32,82	,154	, 293	——
7528	—— 7.8	1	5 2,53	4,121	+, 075	——	1	—56 31 25,49	,147	, 332	——
7529	—— 7	2	5 11,94	3,640	+, 036	——	2	—39 19 27,24	,140	, 292	——
7530	—— 7	2	5 12,67	3,747	+, 044	——	2	—44 13 12,90	,139	, 301	——
7531	Centauri 6	1	5 29,77	3,449	+, 026	——	1	—28 30 25,72	,126	, 277	——
7532	17 Urs. Min. 6.7	1	5 29,87	0,403	+, 081	+,010	3	+75 22 36,31	,126	, 033	+ ,17
7533	649 Virginis 7	3	5 46,20	3,134	+, 011	—,014	3	— 5 10 37,26	,114	, 252	+ ,01
7534	53 Draconis 6.7	3	5 48,43	1,895	—, 001	+,025	3	+59 19 43,44	,112	, 154	+ ,03
7535	101 Bootis 7	3	5 48,91	2,913	+, 003	+,016	4	+12 46 27,87	,112	, 236	— ,06
7536	Bootis 8	2	5 59,11	2,965	+, 004	—,005	4	+ 8 39 20,44	,104	, 240	— ,11
7537	Centauri 7.8	3	6 5,31	4,069	+, 071	——	3	—54 59 38,55	,099	, 331	——
7538	14 Bootis q 6	5	6 9,22	2,900	+, 002	—,010	4	+13 44 12,44	,096	, 235	— ,06
7539	Virginis 6	4	6 19,45	3,291	+, 017	+,013	5	—17 25 37,10	,088	, 265	— ,04
7540	Centauri 8	3	6 35,08	4,127	+, 076	——	3	—56 24 13,00	,076	, 337	——
7541	Centauri 7.8	2	6 38,41	3,497	+, 028	——	2	—31 17 7,32	,074	, 283	——
7542	15 Bootis υ 6	5	6 46,20	2,936	+, 003	+,011	5	+10 52 51,68	,068	, 239	— ,24
7543	—— 7	2	7 2,06	2,777	+, 001	+,005	4	+22 38 47,64	,055	, 227	— ,07
7544	Centauri 7.8	2	7 9,45	4,194	+, 080	——	2	—57 55 1,49	,050	, 343	——
7545	—— 8.9	1	7 19,45	4,020	+, 066	——	1	—53 21 35,50	,042	, 329	——
7546	99 Virginis ι 4	5	7 22,44	3,135	+, 011	+,010	5	— 5 12 34,84	,040	, 322	— ,47
7547	Centauri 7	3	7 26,29	4,226	+, 083	——	3	—58 34 29,85	,037	, 346	——
7548	—— 7.8	1	7 29,99	3,666	+, 037	——	1	—40 5 29,57	,034	, 299	——
7549	Bootis k^1 8.9	3	7 32,94	2,148	—, 004	+,027	2	+52 33 45,12	,032	, 177	— ,05
7550	—— k 6.7	4	7 34,07	2,148	—, 004	+,028	3	+52 33 50,63	,030	, 177	— ,08
7551	Centauri 7.8	3	7 46,40	4,085	+, 071	——	3	—55 6 52,57	,021	, 336	——
7552	Hydræ 7	1	8 7,62	3,420	+, 024	—,005	3	—26 11 25,68	,004	, 278	— ,08
7553	16 Bootis α 1	31	8 8,23	2,812	+, 001	—,073	70	+20 2 40,21	,003	, 232	— ,05
7554	—— 6	6	8 18,79	2,817	+, 001	——	2	+19 41 1,51	16,996	, 232	——
7555	Centauri 8	3	8 22,45	4,140	+, 076	——	3	—56 23 27,94	,993	, 342	——
7556	Centauri V 6	1	8 51,13	4,113	+, 073	——	1	—55 37 14,97	,970	, 342	——
7557	—— 7.8	3	8 51,29	4,090	+, 071	——	3	—55 1 39,55	,970	, 340	——
7558	—— 8	3	8 51,61	4,201	+, 080	——	3	—57 45 2,43	,970	, 348	——
7559	Lupi i 4.5	7	8 52,78	3,791	+, 047	+,015	4	—45 17 31,12	,969	, 312	— ,17
7560	—— 7	1	8 59,44	3,793	+, 047	——	1	—45 20 0,90	,964	, 313	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7561	Centauri 6.7	1	14 9 27,18	+3,595	+,00033	——	1	—36 14 5,42	16,942	+,00296	——
7562	Bootis 9	4	9 35,65	2,917	+, 003	+,012	4	+12 6 8,88	,934	, 241	— ,08
7563	Urs. Min. b var.	3	9 35,87	—0,396	+, 164	+,014	2	+78 19 19,91	,934	—,00033	— ,05
7564	Hydræ A 6.7	5	9 39,01	+3,427	+, 024	+,010	3	—26 22 32,11	,932	+,00282	+ ,01
7565	Centauri 7	5	9 47,03	3,594	+, 033	——	5	—36 5 32,27	,926	, 297	——
7566	19 Bootis λ 4	5	10 6,49	2,304	—, 004	—,005	5	+46 50 52,79	,911	, 192	+ ,05
7567	Lupi 8	1	10 7,90	3,887	+, 052	——	1	—48 36 11,55	,910	, 323	——
7568	Virginis 7.8	3	10 11,62	3,015	+, 006	+,015	4	+ 4 26 30,33	,907	, 250	— ,06
7569	100 —— λ 4	8	10 11,74	3,232	+, 015	+,012	6	—12 36 26,36	,907	, 266	,00
7570	269 Centauri 6	6	10 13,37	3,776	+, 045	+,010	3	—44 25 12,72	,906	, 314	— ,10
7571	21 Bootis ι 4.5	8	10 19,19	2,145	—, 002	—,006	4	+52 7 49,09	,901	, 180	+ ,02
7572	Solitarii 7.8	4	10 19,47	3,302	+, 018	+,002	3	—17 45 30,53	,901	, 272	— ,04
7573	Centauri 7.8	3	10 19,83	4,203	+, 080	——	3	—57 31 46,55	,901	, 352	——
7574	—— 7.8	5	10 32,70	3,713	+, 040	——	5	—41 39 41,21	,890	, 309	——
7575	—— ψ 5.6	3	10 33,36	3,617	+, 034	+,004	4	—37 7 17,88	,889	, 300	— ,02
7576	Centauri 7.8	2	10 46,85	3,557	+, 031	——	2	—33 54 55,53	,879	, 296	——
7577	—— Y 5.6	3	10 52,76	4,214	+, 080	——	3	—57 42 0,41	,874	, 253	——
7578	Bootis 7	3	11 0,40	1,996	—, 001	+,004	3	+56 3 59,09	,869	, 167	— ,08
7579	—— A 6	2	11 1,08	2,540	—, 004	—,006	3	+36 16 24,11	,868	, 212	— ,09
7580	102 Virginis υ1 6	5	11 2,81	3,090	+, 009	—,005	3	— 1 29 56,14	,867	, 257	— ,12
7581	658 Virginis 7	3	11 13,70	3,147	+, 011	+,006	3	— 5 58 55,95	,858	, 261	— ,06
7582	18 Bootis t 6	7	11 17,24	2,894	+, 002	+,019	5	+13 46 10,25	,856	, 242	— ,07
7583	Centauri 6.7	1	11 18,67	4,093	+, 070	——	1	—54 40 17,17	,854	, 344	——
7584	—— 8.9	1	11 24,30	4,115	+, 072	——	1	—55 12 9,44	,850	, 346	——
7585	Virginis 8	3	11 24,84	2,986	+, 005	+,006	4	+ 6 39 36,82	,849	, 349	— ,05
7586	141 Bootis 6	3	11 29,08	2,140	—, 002	+,010	4	+52 4 20,67	,846	, 181	— ,02
7587	Lupi 9.10	1	11 35,89	3,770	+, 044	——	1	—43 53 52,73	,841	, 316	——
7588	Bootis 7	2	11 39,72	2,242	—, 003	+,002	2	+48 46 5,94	,837	, 189	— ,05
7589	Centauri 8	3	11 44,25	3,637	+, 035	——	3	—37 55 12,64	,834	, 304	——
7590	Lupi 7	1	11 54,23	3,867	+, 051	——	1	—47 33 39,61	,827	, 325	——
7591	20 Bootis y 6	4	11 56,80	2,848	+, 001	+,002	5	+17 4 0,74	,825	, 240	+ ,07
7592	Centauri 9.10	2	11 57,06	4,141	+, 074	——	2	—55 46 30,10	,824	, 350	——
7593	Hydræ 8	1	12 11,37	3,436	+, 024	——	1	—26 33 40,27	,813	, 287	——
7594	Bootis 7	3	12 20,74	1,981	—, 001	—,002	3	+56 11 20,15	,805	, 167	— ,06
7595	Lupi 7.8	1	12 23,19	3,942	+, 055	——	1	—50 0 53,54	,804	, 332	——
7596	277 Centauri 6.7	1	12 27,88	3,564	+, 031	—,011	3	—34 1 41,82	,800	, 299	— ,06
7597	278 —— 7	3	12 43,80	3,661	+, 036	—,004	4	—38 51 53,05	,786	, 308	— ,08
7598	—— a 5.6	3	12 54,09	3,659	+, 036	—,004	3	—38 45 12,52	,779	, 308	+ ,07
7599	147 Bootis 7	3	12 55,65	2,628	—, 002	+,008	3	+31 11 20,74	,777	, 221	— ,11
7600	Centauri 7	3	12 57,87	3,719	+, 040	——	3	—41 29 45,70	,776	, 314	——
7601	150 Bootis 7.8	3	13 20,88	2,797	+, 001	+,017	3	+20 29 26,93	,757	, 238	— ,01
7602	103 Virginis υ2 6	6	13 28,76	3,087	+, 009	—,005	5	— 1 13 46,43	,751	, 260	— ,02
7603	7 Hydræ Con. 6	11	13 36,67	3,446	+, 025	—,001	11	—26 59 32,36	,744	, 291	— ,10
7604	Hydræ 9	4	13 54,67	3,448	+, 025	—,004	3	—27 3 15,94	,730	, 291	— ,24
7605	668 Virginis 7.8	3	13 55,59	3,162	+, 012	+,010	3	— 7 0 19,53	,729	, 266	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7606	Centauri 8	3	14 13 58,48	+4,096	+,00069	—	3	—54 15 49,38	16,727	+,00350	—
7607	——— 8	1	14 13,16	4,174	+, 075	—	1	—56 10 12,99	,715	, 357	—
7608	Lupi 7	1	14 17,20	3,831	+, 047	—	1	—45 46 30,81	,712	, 327	—
7609	Hydræ 8	2	14 18,01	3,479	+, 026	—	2	—28 55 17,53	,711	, 296	—
7610	155 Bootis 7	6	14 20,92	2,794	+, 001	+,017	4	+20 33 49,30	,708	, 239	— ,01
7611	Hydræ 8	4	14 26,90	3,448	+, 025	—,014	3	—26 59 29,67	,704	, 293	— ,08
7612	Centauri 7.8	2	14 30,17	3,692	+, 037	—	2	—40 0 1,05	,702	, 314	—
7613	2 Libræ 6	6	14 33,57	3,214	+, 014	+,018	5	—10 57 23,54	,700	, 271	— ,14
7614	Centauri 7	5	14 58,94	3,624	+, 034	—	6	—36 41 45,45	,679	, 309	+3,T.B
7615	——— 7.8	4	15 1,05	4,283	+, 083	—	4	—58 29 13,34	,677	, 367	—
7616	Bootis 6	5	15 16,11	2,950	+, 003	+,008	4	+ 9 12 4,30	,665	, 253	— ,03
7617	Solitarii 6	7	15 24,92	3,403	+, 022	+,007	8	—24 3 10,29	,657	, 290	— ,04
7618	1 Lupi τ^1 5	6	15 35,08	3,803	+, 045	+,009	5	—44 28 11,36	,650	, 326	— ,13
7619	2 ——— τ^2 5	5	15 36,67	3,807	+, 045	+,014	7	—44 37 44,04	,649	, 326	— ,12
7620	Bootis 6.7	3	15 48,16	2,985	+, 005	+,020	6	+ 6 34 20,00	,639	, 256	— ,32
7621	Libræ 7	1	15 49,47	3,215	+, 014	+,006	4	—10 54 55,12	,638	, 274	+ ,02
7622	Hydræ 7.8	3	15 51,21	3,470	+, 025	—	3	—28 8 29,94	,636	, 297	—
7623	Bootis 6.7	3	15 53,09	2,953	+, 003	+,005	4	+ 8 59 51,07	,635	, 254	— ,04
7624	Centauri 7.8	2	15 53,82	3,734	+, 040	—	2	—41 33 58,10	,634	, 321	—
7625	Bootis 5.6	8	15 59,07	2,985	+, 005	+,010	5	+ 6 34 21,81	,630	, 256	— ,02
7626	Virginis 7.8	3	16 4,78	3,092	+, 009	+,001	4	— 1 35 27,73	,625	, 264	— ,07
7627	164 Bootis 7	1	16 11,72	2,954	+, 003	+,006	2	+ 8 50 29,07	,619	, 254	— ,20
7628	677 Virginis 6.7	3	16 22,05	3,239	+, 015	+,002	4	—12 36 8,33	,610	, 276	— ,03
7629	Bootis 8	4	16 25,67	2,029	, 000	+,018	4	+54 16 30,27	,607	, 176	— ,03
7630	Centauri 7	1	16 27,54	3,673	+, 036	—	1	—38 46 22,74	,606	, 316	—
7631	Lupi 6.7	1	16 36,92	3,832	+, 047	—	1	—45 22 56,83	,600	, 332	—
7632	Centauri 6.7	1	16 37,88	3,681	+, 036	—	1	—39 7 27,30	,599	, 316	—
7633	——— 7.8	3	16 44,90	4,295	+, 083	—	3	—58 27 4,27	,592	, 372	—
7634	Virginis 7	2	16 49,87	2,987	+, 005	+,032	4	+ 6 22 1,36	,588	, 258	— ,06
7635	Centauri 7.8	5	16 50,12	3,660	+, 035	—	4	—38 6 7,27	,588	, 315	—
7636	Hydræ 8	2	17 8,03	3,440	+, 024	+,009	7	—26 5 58,57	,574	, 296	+ ,89
7637	174 Bootis 7.8	3	17 9,20	2,338	—, 003	+,020	4	+44 12 37,64	,573	, 203	— ,06
7638	Virginis 10	2	17 9,74	3,075	+, 008	+,033	4	— 0 20 15,61	,572	, 265	,00
7639	Centauri 8	3	17 12,03	4,126	+, 070	—	3	—54 28 28,79	,570	, 359	—
7640	Lupi 7.8	7	17 15,43	3,788	+, 043	—	7	—43 34 54,16	,567	, 328	—
7641	Centauri 8	2	17 24,44	4,164	+, 073	—	2	—55 23 31,55	,560	, 363	—
7642	——— 7	1	17 34,13	3,594	+, 032	—	1	—34 41 53,46	,553	, 311	—
7643	Lupi 7	2	18 4,38	3,891	+, 050	—	2	—47 14 48,10	,528	, 339	—
7644	Centauri 8	2	18 21,33	4,171	+, 073	—	2	—55 23 16,00	,513	, 365	—
7645	Lupi 8	4	18 23,57	3,956	+, 054	—	3	—49 21 53,34	,511	, 345	—
7646	Bootis 6.7	2	18 31,50	2,795	+, 001	+,011	5	+19 57 22,80	,504	, 245	— ,06
7647	8 Hydræ Con. 5.6	6	18 32,10	3,488	+, 026	+,005	5	—28 44 45,26	,503	, 303	— ,11
7648	104 Virginis N^1 6.7	5	18 45,33	3,142	+, 011	+,009	5	— 5 22 21,43	,493	, 273	— ,20
7649	Bootis *f* 6	9	18 47,10	2,794	+, 001	+,011	9	+19 58 20,01	,492	, 246	— ,04
7650	681 Virginis 7	3	18 49,72	3,241	+, 015	+,015	4	—12 36 45,68	,489	, 280	,00

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7651	Lupi	6	2	14 19 24,08	+3,943	+,00053	——	2	—48 46 32,50	16,460	+,00347	——
7652	288 Centauri	6	7	19 32,27	3,826	+, 045	+,002	7	—44 34 39,52	,454	, 336	—0,33
7653	684 Virginis	8	3	19 32,28	3,101	+, 009	+,015	4	— 2 15 37,44	,454	, 270	— ,06
7654	23 Bootis	θ 4	14	19 34,81	2,070	+, 001	—,008	9	+52 36 56,12	,452	, 183	— ,43
7655	Lupi	7.8	2	19 39,92	3,788	+, 042	——	2	—43 7 18,04	,447	, 332	——
7656	105 Virginis	φ 5	12	19 42,66	3,091	+, 009	+,005	5	— 1 29 2,30	,445	, 270	,00
7657	683 ——	6.7	3	19 43,89	3,196	+, 013	+,008	4	— 9 15 33,00	,444	, 277	+ ,01
7658	106 ——	N² 6	5	20 0,05	3,154	+, 011	+,007	5	— 6 9 18,82	,431	, 275	— ,14
7659	——	7	4	20 15,79	2,986	+, 005	+,006	4	+ 6 25 26,15	,418	, 263	— ,05
7660	Lupi	7.8	3	20 32,41	3,877	+, 048	——	3	—46 19 58,13	,404	, 343	——
7661	Lupi	7.8	2	20 40,44	3,897	+, 050	——	2	—46 59 41,28	,398	, 345	——
7662	Centauri	7.8	2	20 47,32	4,220	+, 075	——	2	—56 9 0,23	,392	, 373	——
7663	——	8	3	20 55,94	4,161	+, 070	——	3	—54 43 34,21	,384	, 370	——
7664	Hydræ	7	3	20 56,93	3,491	+, 026	—,012	3	—28 34 14,46	,383	, 308	+ ,01
7665	Centauri	6.7	3	21 0,05	3,677	+, 035	——	3	—38 7 56,17	,381	, 324	——
7666	Lupi	7	5	21 11,35	3,819	+, 044	——	4	—44 4 6,87	,372	, 339	——
7667	——	7.8	2	21 15,98	4,033	+, 059	——	2	—51 14 1,89	,368	, 358	——
7668	Centauri	7.8	2	21 17,09	3,591	+, 031	——	2	—33 56 33,34	,367	, 318	——
7669	192 Bootis	7	3	21 23,31	2,684	, 000	+,023	4	+26 35 41,41	,361	, 238	— ,05
7670	690 Virginis	6.7	3	21 25,47	3,118	+, 010	+,001	4	— 3 30 23,22	,359	, 275	— ,02
7671	691 Virginis	6.7	3	21 26,17	3,050	+, 007	+,004	3	+ 1 34 5,94	,359	, 269	— ,04
7672	Lupi	σ 5	6	21 32,97	3,985	+, 055	——	4	—49 43 11,78	,354	, 354	——
7673	Centauri	8	2	21 35,34	4,315	+, 081	——	2	—58 5 6,46	,351	, 384	——
7674	Virginis	7	6	21 55,38	3,116	+, 010	+,010	3	— 3 19 35,91	,334	, 276	— ,02
7675	Bootis	7.8	4	22 2,39	2,947	+, 003	+,016	4	+ 9 5 33,02	,328	, 263	— ,01
7676	Virginis	8	3	22 9,00	3,103	+, 009	+,012	4	— 2 22 11,98	,323	, 274	+ ,08
7677	Lupi	6.7	2	22 11,84	4,064	+, 062	——	2	—51 56 38,30	,320	, 363	——
7678	195 Bootis	7.8	3	22 18,10	2,410	—, 002	+,004	4	+40 21 27,11	,315	, 215	— ,01
7679	Virginis	7.8	3	22 23,85	3,140	+, 011	+,003	4	— 5 3 52,10	,310	, 278	— ,08
7680	Centauri	8	3	22 31,37	3,764	+, 040	——	3	—41 40 11,55	,304	, 336	——
7681	197 Bootis	7	3	22 45,53	2,573	, 000	+,003	4	+32 31 42,56	,291	, 229	— ,04
7682	——	g 6	3	22 53,50	2,121	+, 001	—,009	4	+50 35 9,15	,284	, 192	— ,04
7683	Centauri	7.8	3	23 2,53	4,386	+, 086	——	3	—59 16 59,87	,277	, 394	——
7684	Lupi	7.8	3	23 7,27	3,873	+, 047	——	3	—45 43 49,94	,274	, 347	——
7685	——	9	3	23 17,53	3,873	+, 047	——	3	—45 42 3,62	,265	, 347	——
7686	Centauri	7	1	23 22,94	4,225	+, 074	——	1	—55 49 53,23	,259	, 381	——
7687	297 ——	7.8	3	23 42,21	3,762	+, 039	+,008	3	—41 22 1,67	,243	, 337	— ,18
7688	Lupi	8	3	23 49,44	3,872	+, 047	——	3	—45 34 23,41	,237	, 348	——
7689	694 Virginis	7	3	23 56,89	3,004	+, 006	+,004	3	+ 4 52 34,62	,230	, 270	— ,01
7690	Centauri	8	6	24 24,92	3,879	+, 047	+,003	7	—45 43 54,44	,207	, 349	+ ,04
7691	Virginis	8	2	24 38,94	3,157	+, 011	+,012	4	— 6 12 16,32	,195	, 282	— ,10
7692	25 Bootis	ρ 4	6	24 43,13	2,595	+, 001	—,003	11	+31 5 54,03	,192	, 233	+ ,06
7693	Centauri	7.8	2	24 49,19	3,655	+, 033	——	2	—36 28 31,65	,187	, 330	——
7694	Virginis	8	4	24 58,90	3,156	+, 011	+,008	4	— 6 8 23,52	,178	, 283	— ,13
7695	Lupi	7.8	2	25 2,03	3,892	+, 048	——	2	—46 5 15,26	,175	, 363	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7696	26 Bootis 6	5	14 25 2,64	+2,735	+,00002	+,006	5	+23 0 24,27	16,174	+,00248	+0,02
7697	Centauri 8	3	25 3,37	3,859	+, 046	——	3	—44 53 20,56	,174	, 349	——
7698	—— η 3	6	25 3,86	3,769	+, 040	+,001	5	—41 25 40,73	,174	, 341	— ,10
7699	301 —— 6.7	3	25 7,15	3,754	+, 039	,000	4	—40 47 15,17	,172	, 339	— ,06
7700	Virginis 7.8	3	25 14,19	2,973	+, 006	+,010	3	+ 7 1 34,23	,163	, 270	— ,08
7701	27 Bootis γ 3.4	8	25 26,08	2,428	—, 001	+,007	8	+39 1 58,60	,154	, 220	+ ,08
7702	Centauri α¹ 7	3	25 33,69	3,879	+, 047	+,006	3	—45 31 8,16	,148	, 352	+ ,12
7703	Solitarii α 7	5	25 34,47	3,355	+, 019	+,008	5	—19 42 44,47	,148	, 303	— ,19
7704	Lupi 6.7	3	25 48,39	4,100	+, 062	——	3	—52 20 4,66	,135	, 373	——
7705	Centauri 7	2	26 7,49	3,713	+, 036	——	2	—38 52 11,45	,119	, 337	——
7706	Centauri 6.7	4	26 24,67	3,728	+, 037	——	4	—39 29 6,68	,104	, 339	——
7707	—— α² 6	6	26 33,94	3,881	+, 046	—,021	6	—45 24 30,62	,095	, 354	— ,09
7708	Lupi ρ 5	6	26 50,06	3,981	+, 052	——	5	—48 42 4,80	,081	, 364	——
7709	Centauri 7.8	3	26 50,63	4,371	+, 082	——	3	—58 24 51,50	,080	, 401	——
7710	Lupi 7	3	26 59,21	3,938	+, 049	——	3	—47 18 1,28	,073	, 360	——
7711	Centauri 7	2	27 4,36	3,801	+, 041	——	2	—42 23 19,60	,068	, 347	——
7712	Bootis 7	3	27 6,84	2,874	+, 004	—,008	3	+13 49 27,01	,067	, 264	— ,01
7713	Lupi 7	2	27 11,83	3,999	+, 053	——	2	—49 10 40,91	,062	, 366	——
7714	56 Draconis 6.7	3	27 14,23	1,628	+, 006	—,001	3	+60 57 16,55	,060	, 153	+ ,01
7715	Virginis 8	2	27 19,38	3,012	+, 007	+,020	4	+ 4 11 37,77	,056	, 276	— ,06
7716	Lupi 7	3	27 27,09	3,877	+, 045	——	3	—45 8 50,49	,048	, 355	——
7717	28 Bootis σ 5	6	27 29,54	2,599	+, 001	+,021	5	+30 27 54,62	,047	, 237	+ ,09
7718	Virginis 7	3	27 29,62	3,196	+, 013	+,004	4	— 8 53 12,58	,046	, 289	— ,09
7719	699 —— 8	3	27 34,26	3,058	+, 009	+,014	4	+ 0 56 38,41	,042	, 279	— ,09
7720	—— 9	2	27 35,67	3,114	+, 011	+,006	4	— 3 3 22,43	,041	, 283	— ,01
7721	224 Bootis 6	3	27 53,87	2,457	, 000	+,016	4	+37 21 15,08	,024	, 225	— ,11
7722	5 Urs. Min. A 4	5	27 57,92	—0,262	+, 126	—,010	5	+76 25 45,52	,021	—,00023	,00
7723	Centauri 7	6	28 3,43	+3,701	+, 035	——	6	—38 4 18,66	,016	+,00340	——
7724	Bootis 7.8	3	28 6,40	1,978	+, 003	+,005	4	+53 37 25,60	,014	, 191	+ ,24
7725	Libræ 6.7	5	28 13,71	3,236	+, 015	—,060	7	—11 35 56,16	,007	, 294	+ ,38
7726	Centauri 7	2	28 23,31	3,626	+, 031	——	2	—34 33 15,74	15,998	, 334	——
7727	Lupi α 7	6	28 24,06	3,902	+, 047	—,028	7	—45 51 16,47	,997	, 360	— ,30
7728	—— 7	2	28 24,58	3,977	+, 051	——	2	—48 19 49,27	,997	, 366	——
7729	Centauri α¹ 4	7	28 26,35	4,476	+, 087	——	4	—60 8 11,69	,995	, 413	——
7730	—— α² 1	6	28 27,93	4,477	+, 087	——	12	—60 8 55,12	,994	, 413	——
7731	Virginis 7.8	5	28 32,85	3,116	+, 011	,000	2	— 3 10 6,05	,990	, 285	— ,03
7732	Solitarii 8	4	28 35,62	3,405	+, 021	—,050	7	—22 26 35,79	,989	, 312	— ,01
7733	Lupi 7.8	1	28 48,29	3,896	+, 046	——	1	—45 34 49,30	,976	, 359	——
7734	Centauri 7.8	2	28 52,85	3,634	+, 031	——	2	—34 52 18,63	,972	, 336	——
7735	702 Virginis 7	3	29 8,47	3,029	+, 007	—,008	3	+ 3 0 4,42	,959	, 280	— ,07
7736	Virginis 7.8	3	29 14,03	3,138	+, 011	+,006	4	— 4 49 36,91	,954	, 288	+ ,02
7737	Circini α 4	3	29 16,97	4,752	+, 112	——	5	—64 15 0,58	,951	, 441	——
7738	Lupi 7	3	29 32,80	3,885	+, 045	——	3	—45 4 32,33	,937	, 360	——
7739	Centauri 6.7	1	29 44,01	4,367	+, 080	——	1	—57 53 59,20	,927	, 408	——
7740	3 Libræ 7	3	29 51,60	3,439	+, 022	+,013	5	—24 18 33,00	,920	, 318	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
7741	Centauri 7.8	5	14 29 53,40	+3,756	+,00037	—	5	—40 7 26,08	15,919	+,00348	—
7742	22 Solitarii 7	3	30 5,05	3,468	+, 023	—,001	3	—26 0 19,42	,909	, 321	—0,10
7743	Centauri 7.8	2	30 7,51	3,751	+, 037	—	2	—39 53 30,43	,907	, 348	—
7744	8 Libræ 7	2	30 8,87	3,212	+, 014	+,006	4	— 9 50 12,98	,905	, 294	— ,01
7745	Virginis 8	3	30 20,29	3,143	+, 012	+,014	5	— 5 4 6,10	,896	, 289	— ,04
7746	Virginis 9.10	2	30 21,75	3,228	+, 014	+,029	4	—10 52 34,01	,894	, 296	— ,11
7747	236 Bootis 7	3	30 33,96	2,790	+, 002	+,015	3	+19 1 12,31	,883	, 261	— ,15
7748	Lupi 7	1	30 54,16	3,935	+, 048	—	1	—46 33 40,54	,865	, 367	—
7749	—— α 3	9	30 59,83	3,939	+, 048	—	8	—46 40 28,26	,860	, 367	—
7750	—— 8	3	31 12,08	3,907	+, 046	—	3	—45 35 5,62	,850	, 365	—
7751	Bootis 8	3	31 34,37	2,583	+, 002	+,009	4	+30 43 52,77	,829	, 240	— ,04
7752	Centauri 7	3	31 35,19	3,813	+, 040	—	3	—42 4 33,58	,829	, 356	—
7753	Solitarii V 7.8	2	31 43,28	3,402	+, 020	+,002	4	—21 54 18,19	,821	, 318	— ,05
7754	Centauri b 5.6	3	31 44,31	3,692	+, 034	+,004	4	—37 4 46,59	,820	, 346	— ,01
7755	—— 7.8	2	32 1,30	3,527	+, 025	—	2	—28 59 5,08	,805	, 331	—
7756	Centauri 7	1	32 2,52	3,551	+, 026	—	1	—30 13 13,08	,804	, 333	—
7757	Lupi 7.8	2	32 17,23	3,951	+, 049	—	2	—46 51 37,99	,791	, 372	—
7758	Virginis 8	4	32 18,12	3,154	+, 012	+,009	4	— 5 44 44,78	,790	, 294	— ,03
7759	Bootis 7	3	32 31,24	2,002	+, 004	+,013	4	+52 17 37,48	,778	, 189	— ,04
7760	Lupi 7	2	32 35,14	3,924	+, 047	—	2	—45 54 45,14	,775	, 369	—
7761	Bootis h¹ 6.7	3	32 41,76	2,241	+, 002	+,002	3	+45 7 10,15	,768	, 211	— ,02
7762	Centauri 7.8	2	32 43,54	4,382	+, 079	—	2	—57 46 7,69	,767	, 416	—
7763	Bootis 6	5	32 49,16	2,861	+, 004	+,006	5	+14 14 51,84	,761	, 271	— ,09
7764	29 —— π 3.4	6	32 58,33	2,816	+, 002	+,015	5	+17 7 45,94	,754	, 267	— ,04
7765	256 —— 6.7	3	33 1,32	1,900	+, 005	+,018	4	+54 44 19,26	,751	, 179	— ,03
7766	Libræ 7	2	33 9,43	3,240	+, 015	+,029	4	—11 31 29,13	,744	, 303	— ,05
7767	30 Bootis ζ 3.4	7	33 16,34	2,858	+, 004	+,016	10	+14 26 25,50	,738	, 271	— ,06
7768	Centauri 7.8	2	33 20,79	4,251	+, 070	—	2	—54 53 44,65	,734	, 404	—
7769	Libræ 8	4	33 25,24	3,239	+, 015	—,005	4	—11 26 37,96	,729	, 304	— ,05
7770	Centauri 9	2	33 28,36	4,252	+, 070	—	2	—54 54 5,98	,727	, 404	—
7771	31 Bootis z 5	6	33 32,90	2,942	+, 005	+,010	5	+ 8 52 17,81	,722	, 279	— ,06
7772	Centauri c¹ 5	8	33 35,52	3,641	+, 031	—,009	7	—34 27 29,10	,721	, 345	— ,29
7773	Libræ 8	3	33 39,37	3,448	+, 022	+,003	3	—24 24 2,35	,716	, 325	— ,05
7774	4 —— 7	8	33 42,37	3,446	+, 022	+,005	9	—24 17 21,76	,714	, 325	— ,02
7775	32 Bootis 6	5	33 48,26	2,889	+, 004	—,002	7	+12 22 31,63	,708	, 275	— ,13
7776	107 Virginis μ 4.5	8	34 22,52	3,143	+, 011	+,016	7	— 4 56 11,13	,679	, 297	— ,36
7777	Bootis G 6.7	4	34 22,68	2,737	+, 002	+,015	4	+21 50 8,09	,677	, 260	+ ,04
7778	265 —— 7	3	34 53,20	2,733	+, 002	+,006	4	+22 0 8,12	,649	, 261	+ ,02
7779	Centauri c² 6	5	34 53,45	3,645	+, 031	,000	6	—34 29 16,44	,649	, 347	— ,15
7780	—— 7	2	35 11,62	3,885	+, 044	—	2	—44 9 47,60	,633	, 370	—
7781	Lupi 8	1	35 26,51	4,187	+, 064	—	1	—53 4 20,59	,620	, 401	—
7782	—— 6.7	2	35 29,28	3,962	+, 049	—	2	—46 44 20,83	,616	, 379	—
7783	—— 7	2	35 32,83	4,133	+, 060	—	2	—51 40 42,28	,612	, 396	—
7784	Bootis 7.8	3	35 39,71	1,958	+, 006	+,009	4	+52 56 50,08	,605	, 187	— ,02
7785	Virginis 8	4	35 41,98	3,155	+, 012	+,020	4	— 5 41 4,46	,604	, 300	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7786	34 Bootis 4.5	5	14 36 10,27	+2,637	+,00002	+,016	8	+27 13 57,19	15,579	+,00252	—0,07
7787	10 Hydræ Con. 5.6	13	36 28,15	3,458	+, 022	—,007	9	—24 44 14,48	,563	, 331	— ,12
7788	Centauri 6.7	1	36 45,64	3,721	+, 034	——	1	—37 35 16,43	,545	, 357	——
7789	—— 6.7	1	36 48,82	4,462	+, 082	——	1	—58 42 37,26	,542	, 431	——
7790	Libræ 7	8	36 50,47	3,386	+, 019	+,010	5	—20 28 15,98	,541	, 325	— ,10
7791	Centauri 7	2	36 50,66	3,855	+, 042	——	2	—42 51 29,32	,541	, 371	——
7792	5 Libræ ρ 6	8	36 52,70	3,299	+, 016	+,006	5	—14 45 32,98	,539	, 316	— ,02
7793	719 Virginis 6.7	3	37 5,98	3,050	+, 008	—,011	4	+ 1 25 7,53	,528	, 293	+ ,01
7794	Centauri 7	2	37 6,31	4,325	+, 073	——	2	—55 58 2,06	,528	, 419	——
7795	—— 7.8	2	37 22,20	3,763	+, 036	——	2	—39 13 39,72	,514	, 362	——
7796	272 Bootis 7.8	3	37 30,04	2,939	+, 005	+,013	2	+ 8 51 41,93	,505	, 283	— ,09
7797	35 —— ο 4.5	7	37 32,71	2,801	+, 002	+,009	5	+17 40 2,66	,502	, 270	— ,01
7798	36 —— ε 3	7	37 46,86	2,624	+, 003	+,011	5	+27 46 25,08	,489	, 252	+ ,01
7799	11 Hydræ Con. 5.6	5	37 48,06	3,466	+, 023	+,017	6	—24 55 35,28	,488	, 335	— ,05
7800	Libræ 7	5	37 51,99	3,391	+, 019	+,014	5	—20 37 38,89	,484	, 327	— ,01
7801	109 Virginis Z 4	5	37 54,93	3,032	+, 008	+,008	4	+ 2 35 35,49	,481	, 294	— ,04
7802	12 Hydræ Con. 5.6	1	38 7,89	3,475	+, 023	+,022	1	—25 23 27,07	,470	, 336	— ,06
7803	Bootis 7.8	3	38 11,63	2,803	+, 002	+,017	4	+17 29 47,14	,466	, 272	— ,05
7804	13 Hydræ Con. 6	6	38 19,70	3,486	+, 023	+,009	5	—25 56 58,08	,459	, 338	— ,04
7805	Bootis 7	3	38 19,85	2,829	+, 003	+,018	4	+15 49 44,44	,459	, 274	— ,06
7806	Centauri 7	2	38 22,43	3,671	+, 032	——	2	—35 8 47,98	,457	, 356	——
7807	—— 7	1	38 25,58	3,689	+, 033	——	1	—35 56 17,19	,453	, 358	——
7808	Bootis 7	6	38 25,74	2,192	+, 004	+,021	5	+45 53 11,18	,453	, 213	— ,07
7809	Lupi 8	2	38 37,46	4,017	+, 050	——	2	—47 56 34,77	,442	, 391	——
7810	Centauri 8	2	38 52,40	3,666	+, 031	——	2	—34 51 19,07	,428	, 357	——
7811	724 Virginis 7	3	39 5,11	3,030	+, 008	+,011	3	+ 2 44 1,43	,417	, 294	+ ,01
7812	282 Bootis 7.8	3	39 15,99	2,270	+, 004	+,004	3	+43 4 37,11	,406	, 222	— ,02
7813	Libræ 8	3	39 49,10	3,260	+, 015	+,002	3	—12 25 33,23	,375	, 317	— ,03
7814	7 —— μ 5.6	5	40 17,25	3,277	+, 016	+,006	3	—13 27 23,40	,350	, 320	— ,03
7815	Lupi 7	3	40 18,75	3,850	+, 040	——	3	—42 7 55,44	,348	, 377	——
7816	6 Libræ 5	6	40 37,23	3,515	+, 024	—,009	6	—27 16 3,74	,330	, 345	— ,06
7817	Lupi ο 5	6	40 54,48	3,873	+, 041	+,015	4	—42 53 14,05	,314	, 381	— ,21
7818	—— 7	3	41 23,09	3,970	+, 047	——	3	—46 4 25,36	,288	, 391	——
7819	8 Libræ α¹ 6	6	41 34,40	3,308	+, 017	+,008	5	—15 18 22,40	,276	, 324	— ,11
7820	Draconis 6.7	3	41 39,29	1,720	+, 008	+,011	4	+57 18 33,08	,271	, 169	— ,04
7821	9 Libræ α² 3	24	41 45,87	3,309	+, 017	,000	28	—15 21 5,35	,265	, 325	— ,15
7822	—— 6	3	42 21,94	3,339	+, 018	+,029	5	—17 5 56,24	,230	, 328	— ,18
7823	Lupi 7.8	3	42 25,65	3,946	+, 045	——	3	—45 10 20,24	,228	, 391	——
7824	11 Libræ d 6	4	42 28,02	3,095	+, 010	+,004	5	— 1 36 25,05	,225	, 305	— ,18
7825	Centauri 6.7	3	42 31,76	3,730	+, 033	——	3	—37 7 7,90	,222	, 368	——
7826	10 Libræ σ 7	5	42 36,82	3,348	+, 018	+,014	1	—17 40 14,22	,217	, 330	— ,10
7827	Lupi 6.7	2	42 44,56	3,572	+, 026	——	2	—29 53 30,90	,210	, 354	——
7828	—— 8	2	42 47,48	3,636	+, 029	,000	4	—32 56 38,06	,207	, 360	— ,09
7829	Bootis 6	7	42 52,09	2,581	+, 003	+,012	9	+29 18 9,98	,202	, 255	— ,02
7830	Circini 6.7	3	42 55,78	4,547	+, 084	——	3	—59 25 45,34	,199	, 453	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7831	Bootis	7	3	14 43 22,56	+2,689	+,00003	—,009	4	+23 35 47,01	15,175	+,00267	—0,08
7832	Libræ	7.8	1	43 25,41	3,300	+, 016	—,005	3	—14 42 18,75	,172	, 326	— ,06
7833	Bootis	h^2 6.7	3	43 25,95	2,139	+, 005	+,001	3	+46 48 23,20	,170	, 213	— ,06
7834	Libræ	8	4	43 29,96	3,317	+, 017	+,005	3	—15 42 53,54	,166	, 328	— ,04
7835	Lupi	8	3	43 43,41	3,640	+, 029	——	3	—33 0 42,25	,153	, 362	——
7836	37 Bootis	ξ 3.4	6	43 46,77	2,756	+, 002	+,017	5	+19 47 22,04	,150	, 274	— ,10
7837	Lupi	8	3	43 49,38	3,639	+, 029	——	3	—32 57 41,80	,148	, 362	——
7838	303 Bootis	6.7	2	44 4,97	2,047	+, 007	+,005	5	+49 24 6,12	,133	, 205	+ ,01
7839	1 Quad. Mar.	7	3	44 6,16	1,821	+, 009	—,002	4	+54 55 5,44	,132	, 180	+ ,02
7840	Lupi	7	1	44 19,70	3,652	+, 029	——	1	—33 27 43,97	,119	, 364	——
7841	Hydræ	6	1	44 35,75	3,532	+, 024	——	1	—27 40 8,90	,103	, 353	——
7842	304 Bootis	7	2	44 35,85	2,734	+, 002	+,004	4	+20 58 22,37	,103	, 273	+ ,01
7843	Lupi	6.7	1	44 36,04	4,203	+, 061	——	1	—52 8 0,18	,103	, 420	——
7844	12 Libræ	6	6	44 46,11	3,462	+, 022	+,002	5	—23 57 43,59	,094	, 346	— ,06
7845	Lupi	8	1	45 0,61	4,341	+, 071	——	1	—55 14 10,96	,079	, 437	——
7846	37 Libræ	7.8	3	45 1,17	3,201	+, 013	—,001	4	— 8 24 23,24	,079	, 318	— ,07
7847	29 Urs. Min.	7.8	4	45 1,87	0,248	+, 070	—,016	6	+72 39 16,23	,078	, 025	+ ,05
7848	Libræ	8	3	45 19,61	3,067	+, 009	+,001	3	+ 0 15 12,50	,061	, 307	— ,08
7849	Lupi	6.7	5	45 22,04	4,025	+, 049	——	5	—47 12 10,45	,059	, 404	——
7850	Libræ	7	3	45 22,43	3,067	+, 009	+,006	3	+ 0 16 37,92	,059	, 307	+ ,02
7851	13 Libræ	ξ^1 6	1	45 25,98	3,246	+, 015	+,002	4	—11 13 14,25	,055	, 324	— ,17
7852	Lupi	c 7	1	45 30,57	4,154	+, 057	——	1	—50 46 19,79	,051	, 416	——
7853	331 Centauri	5.6	1	45 38,09	3,649	+, 029	—,002	4	—33 10 45,45	,043	, 366	+ ,02
7854	Bootis	7.8	1	45 45,54	2,768	+, 002	+,012	4	+18 54 57,47	,037	, 278	— ,03
7855	Solitarii	9	3	45 49,64	3,482	+, 022	+,019	4	—24 56 19,73	,032	, 349	— ,04
7856	Lupi	7	2	46 7,94	3,782	+, 035	——	2	—38 44 27,48	,014	, 380	——
7857	——	7	2	46 29,23	3,625	+, 028	——	2	—31 57 43,16	14,994	, 265	——
7858	Urs. Min.	7.8	1	46 47,08	0,286	+, 070	+,014	3	+72 17 14,75	,977	, 029	+ ,10
7859	Lupi	7.8	2	46 51,85	4,066	+, 050	——	2	—48 10 40,24	,972	, 410	——
7860	Draconis	W 6	2	47 14,87	1,529	+, 011	—,021	3	+59 58 0,57	,949	, 156	+ ,17
7861	317 Bootis	7.8	3	47 27,14	2,499	+, 004	+,016	4	+32 41 24,95	,938	, 252	+ ,01
7862	Lupi	7	3	47 44,26	4,171	+, 057	——	3	—50 54 27,63	,922	, 422	——
7863	——	β 3.4	6	47 45,62	3,889	+, 040	—,001	7	—42 27 47,68	,920	, 393	— ,14
7864	15 Libræ	ξ^2 5	9	47 49,67	3,240	+, 014	+,020	5	—10 44 19,92	,916	, 326	,00
7865	——	6	12	47 51,07	3,408	+, 020	+,083	7	—20 39 56,10	,915	, 345	+ ,06
7866	Lupi	7.8	3	47 53,08	4,069	+, 050	——	3	—48 9 18,49	,913	, 412	——
7867	14 Libræ	7	5	47 53,80	3,484	+, 022	+,003	5	—24 46 17,72	,912	, 353	— ,06
7868	321 Bootis	6	3	48 26,11	2,829	+, 003	+,003	4	+15 7 3,55	,880	, 288	— ,02
7869	Centauri	χ 3	5	48 27,74	3,862	+, 039	+,001	5	—41 26 11,57	,878	, 392	— ,04
7870	——	7.8	3	48 31,49	3,902	+, 041	——	3	—42 48 14,88	,876	, 396	——
7871	Lupi	9.10	5	48 32,68	3,834	+, 037	——	4	—40 25 1,56	,875	, 389	——
7872	16 Libræ	c 5.6	5	48 34,63	3,128	+, 012	—,001	3	— 3 40 9,51	,872	, 317	+ ,21
7873	Lupi	7	1	48 40,09	3,893	+, 040	+,009	4	—42 29 29,98	,867	, 396	+ ,04
7874	——	7	4	48 50,81	3,753	+, 033	——	4	—37 12 49,31	,856	, 384	——
7875	Libræ	8	2	48 52,51	3,340	+, 015	—,004	4	—16 41 47,24	,855	, 338	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7876	15 Hyd. Con. ϰ 6	3	14 48 54,54	+3,528	+,00024	+,001	8	—26 59 22,12	14,853	+,00359	—0,08
7877	Lupi \ 7	4	48 56,54	3,913	, 041	——	4	—43 8 24,27	,851	, 398	——
7878	1 Serpentis 6	7	49 6,17	3,063	, 009	+,015	7	+ 0 30 5,27	,841	, 312	— ,13
7879	17 Libræ 7	6	49 17,53	3,238	, 014	+,001	5	—10 29 13,96	,830	, 328	— ,07
7880	Lupi 7	2	49 25,43	4,387	, 071	——	2	—55 35 41,75	,822	, 449	——
7881	Bootis 6	6	49 30,15	2,795	, 004	+,008	4	+17 3 25,41	,817	, 286	— ,03
7882	Lupi 7	3	49 33,48	3,592	, 026	——	3	—30 2 43,39	,814	, 367	——
7883	327 Bootis 7	3	49 37,62	2,703	, 003	—,016	4	+22 13 28,92	,810	, 276	— ,09
7884	18 Libræ 7	5	49 58,92	3,238	, 014	+,005	5	—10 28 30,97	,789	, 329	— ,07
7885	Lupi 8	3	50 17,34	4,198	, 057	——	3	—51 15 25,14	,771	, 429	——
7886	Virginis 7	4	50 17,51	3,139	, 011	—,003	4	— 4 19 9,89	,771	, 320	— ,17
7887	330 Bootis 7	3	50 25,96	2,643	, 004	—,004	3	+25 20 24,43	,762	, 270	+ ,06
7888	——— 6.7	2	50 28,53	2,833	, 004	+,002	4	+14 42 9,55	,760	, 292	— ,05
7889	——— 8	4	50 30,06	2,909	, 006	+,003	5	+10 9 51,12	,758	, 300	— ,08
7890	Lupi 7	3	50 47,50	3,764	, 033	——	3	—37 23 44,68	,742	, 386	——
7891	Quad. Mur. d 6.7	5	50 54,76	1,978	, 009	+,036	5	+50 18 19,24	,734	, 205	— ,29
7892	Libræ 7.8	3	50 57,61	3,235	, 014	+,013	4	—10 15 58,04	,731	, 330	— ,10
7893	——— 7.8	2	51 4,30	3,365	, 017	—,004	3	—17 57 56,99	,725	, 344	+ ,04
7894	7 Urs. Min β 3	16	51 15,60	—0,281	, 105	—,016	14	+74 49 44,46	,713	—,00029	— ,03
7895	Quad. Mur. 7	3	51 35,34	+2,633	, 004	+,012	3	+25 42 39,92	,695	+,00271	— ,07
7896	Circini 7	4	52 1,60	4,478	, 075	——	4	—57 2 35,50	,668	, 464	——
7897	Lupi 7.8	2	52 3,25	4,437	, 072	——	2	—56 15 40,99	,667	, 460	——
7898	19 Libræ δ 4.5	6	52 10,12	3,197	, 013	+,005	5	— 7 51 31,52	,660	, 328	— ,02
7899	405 Hydræ 6	3	52 17,50	3,544	, 024	+,022	4	—27 24 4,15	,653	, 366	— ,09
7900	Libræ π 6	3	52 46,14	3,105	, 010	+,013	3	— 2 5 47,00	,624	, 321	— ,12
7901	Lupi 7.8	3	53 17,10	3,720	, 031	——	3	—35 17 20,17	,593	, 385	——
7902	340 Bootis 6	3	53 17,29	2,304	, 007	—,002	3	+39 55 24,73	,593	, 239	+ ,01
7903	Libræ 7	8	53 22,19	3,182	, 012	+,005	2	— 6 55 10,23	,588	, 329	— ,17
7904	2 Serpentis 6	3	53 22,36	3,063	, 009	+,002	4	+ 0 31 3,41	,588	, 318	,00
7905	339 Bootis 6.7	2	53 28,77	2,687	, 003	+,004	4	+22 42 11,59	,581	, 279	— ,01
7906	Libræ 7	5	53 43,33	3,187	, 012	—,001	7	— 7 11 5,41	,567	, 330	— ,05
7907	——— 7	4	53 51,01	3,351	, 017	+,013	4	—16 58 36,95	,559	, 347	— ,10
7908	Lupi π 5	5	53 55,46	4,037	, 047	+,001	8	—46 23 57,99	,555	, 420	— ,17
7909	338 Centauri 6.7	3	54 3,35	3,849	, 036	+,012	3	—40 12 29,31	,547	, 399	— ,13
7910	65 Libræ 6.7	3	54 11,14	3,109	, 010	—,001	4	— 2 22 33,15	,539	, 323	— ,04
7911	Libræ 8	4	54 21,53	3,334	, 016	+,016	4	—15 56 17,77	,529	, 345	,00
7912	20 ——— γ 3.4	7	54 25,96	3,494	, 022	+,006	5	—24 37 40,16	,524	, 363	—,09
7913	110 Virginis 5	3	54 34,20	3,027	, 008	+,003	5	+ 2 44 40,28	,515	, 316	+ ,03
7914	339 Centauri 6.7	2	54 37,71	3,857	, 037	+,014	4	—40 25 3,37	,511	, 401	— ,13
7915	Lupi 6.7	3	54 39,02	4,105	, 050	——	3	—48 14 2,82	,510	, 428	——
7916	Hydræ 7.8	3	54 43,18	3,555	, 024	——	3	—27 38 49,20	,506	, 371	——
7917	Circini 7.8	3	54 49,26	4,703	, 087	——	3	—60 28 57,90	,500	, 475	——
7918	Libræ 8	2	54 50,47	3,183	, 012	+,019	4	— 6 55 7,56	,499	, 331	— ,01
7919	41 Bootis ω 5.6	7	54 53,10	2,627	, 004	+,020	5	+25 39 50,04	,496	, 275	— ,14
7920	Urs. Maj. τ 6	3	54 59,36	0,936	, 032	+,011	3	+66 35 25,28	,490	, 099	+ ,11

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7921	Lupi 7	3	14 55 10,63	+4,229	+,00057	——	3	—51 22 56,65	14,478	+,00442	——
7922	Circini 7.8	2	55 30,73	4,742	, 091	——	2	—60 59 23,56	,457	, 496	——
7923	Lupi 7.8	2	55 35,88	3,604	, 026	——	2	—29 54 23,33	,452	, 378	——
7924	Libræ 8.9	2	55 36,63	3,308	, 015	+,007	4	—14 20 49,58	,451	, 344	—0,04
7925	347 Bootis 7	3	55 40,88	2,484	, 006	+,003	4	+32 20 5,51	,447	, 261	— ,02
7926	42 Bootis β 3	7	55 43,99	2,263	, 007	+,010	6	+41 2 41,52	,444	, 238	— ,07
7927	Lupi 7	2	55 53,93	3,736	, 032	——	2	—35 37 3,84	,434	, 392	——
7928	Serpentis 8	6	55 55,86	3,075	, 009	,000	7	— 0 15 21,56	,432	, 323	— ,11
7929	Lupi 6.7	2	55 59,29	4,119	, 050	——	2	—48 26 40,99	,429	, 432	——
7930	Circini 7.8	3	56 7,20	4,588	, 080	——	3	—58 29 54,46	,421	, 483	——
7931	33 Urs. Min. 7	5	56 13,11	—0,535	, 122	+,005	7	+75 32 36,36	,415	—,00056	+ ,07
7932	Bootis H 6.7	3	56 31,08	+2,398	, 006	+,009	3	+35 51 20,94	,396	+,00252	— ,03
7933	40 Solitarii 7.8	3	56 34,43	3,476	, 021	+,003	4	—23 28 53,67	,393	, 364	— ,15
7934	Libræ 7	7	56 38,55	3,460	, 020	+,011	7	—22 40 32,16	,389	, 362	— ,06
7935	Bootis 8	4	56 39,91	2,603	, 004	+,006	4	+26 41 19,37	,387	, 274	— ,06
7936	353 Bootis 6.7	3	56 43,29	2,581	, 004	—,006	4	+27 43 57,86	,384	, 271	+ ,16
7937	Lupi 7.8	2	57 5,91	3,943	, 041	——	2	—43 4 6,12	,361	, 415	——
7938	34 Urs. Min. 7	3	57 20,56	0,959	, 031	—,003	2	+66 7 46,53	,347	, 102	— ,05
7939	43 Bootis ψ 5	5	57 22,64	2,582	, 004	+,002	6	+27 35 50,03	,343	, 272	+ ,19
7940	21 Libræ ν¹ 6	7	57 26,15	3,332	, 016	+,007	3	—15 36 43,60	,341	, 349	— ,12
7941	Lupi 6.7	2	57 32,16	3,854	, 036	——	2	—39 56 26,26	,334	, 406	——
7942	72 Libræ 7.8	3	57 32,37	3,274	, 014	+,017	3	—12 15 44,53	,334	, 343	— ,09
7943	22 —— ν² 6.7	5	57 37,28	3,336	, 016	+,012	5	—15 50 24,87	,329	, 350	— ,11
7944	Lupi λ 5	1	57 45,89	3,995	, 044	—,004	5	—44 3 8 18,11	,320	, 422	— ,15
7945	—— 7	3	57 47,73	3,921	, 040	——	3	—42 13 35,15	,318	, 414	——
7946	Lupi 9.10	3	57 59,72	4,486	, 073	——	2	—56 28 39,43	,306	, 477	——
7947	Urs. Min. 7.8	7	58 5,35	—0,569	, 123	+,003	9	+75 33 27,44	,301	—,00061	,00
7948	Serpentis 7	3	58 10,18	+3,011	, 007	+,016	4	+ 3 39 4,54	,296	+,00319	— ,09
7949	Lupi 7.8	2	58 14,83	3,777	, 033	——	2	—36 56 52,27	,291	, 400	——
7950	Libræ 7.8	4	58 18,91	3,208	, 013	+,004	4	— 8 17 10,50	,286	, 339	— ,03
7951	44 Bootis i 5	3	58 21,11	2,018	, 010	—,015	5	+48 17 56,55	,284	, 214	— ,01
7952	Lupi 7.8	2	58 37,59	3,749	, 032	——	2	—35 47 38,93	,268	, 398	——
7953	—— 6	2	59 1,13	4,401	, 067	——	2	—54 42 40,57	,243	, 469	——
7954	Libræ 8	4	59 8,19	3,261	, 014	—,001	4	—11 24 32,33	,236	, 334	— ,06
7955	Urs. Min. 8	3	59 14,10	0,293	, 046	,000	3	+71 15 42,00	,230	, 031	+ ,12
7956	361 Bootis 6.7	3	59 18,43	2,912	, 006	+,011	4	+ 9 36 0,41	,226	, 310	— ,05
7957	Serpentis 8.9	4	59 34,38	3,061	, 009	+,007	4	+ 0 34 56,79	,209	, 326	— ,02
7958	362 Bootis 7	3	59 34,51	2,907	, 006	—,003	4	+ 9 51 51,43	,209	, 310	+ ,06
7959	Circini 7.8	6	59 40,17	4,782	, 090	——	6	—61 6 41,38	,203	, 509	——
7960	Lupi 9	2	59 43,68	3,954	, 041	——	2	—43 5 22,94	,199	, 420	——
7961	363 Bootis 6.7	3	59 46,70	2,744	, 003	+,009	4	+19 5 1,59	,196	, 293	— ,11
7962	80 Libræ 7.8	3	59 57,48	3,296	, 015	+,006	5	—13 21 45,71	,186	, 349	+ ,07
7963	45 Bootis c 5	8	15 0 3,33	2,620	, 004	+,023	5	+25 30 57,74	,180	, 280	— ,15
7964	Solitarii 6	2	0 14,98	3,480	, 021	+,010	4	—23 20 58,60	,168	, 370	— ,14
7965	40 Urs. Min. 7	3	0 17,37	0,085	, 073	—,067	4	+72 24 35,48	,165	, 010	+ ,12

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7966	Lupi ζ¹ 8	3	15 0 21,44	+4,260	+,00057	—	3	—51 28 18,64	14,161	+,00455	—
7967	— 8	7	0 24,95	4,007	, 043	—	4	—44 38 40,51	,158	, 428	—
7968	— ζ 4	5	0 28,42	4,261	, 057	—	5	—51 27 53,84	,154	, 455	—
7969	— 7.8	6	0 28,45	4,007	, 043	—	3	—44 38 43,52	,154	, 428	—
7970	— κ 5	8	0 30,45	4,127	, 049	—	8	—48 6 13,35	,152	, 440	—
7971	Lupi χ² 7	1	0 31,89	4,128	, 049	—	1	—48 6 35,41	,150	, 440	—
7972	Circini 7	1	0 41,82	4,761	, 088	—	1	—60 42 49,62	,140	, 508	—
7973	82 Libræ 7.8	3	0 55,52	3,150	, 011	—,010	4	— 4 45 26,41	,126	, 337	—0,10
7974	376 Bootis 6.7	3	1 5,17	2,837	, 005	—,011	4	+13 52 3,93	,116	, 304	+ ,02
7975	Lupi 7.8	1	1 7,00	4,007	, 043	—	1	—44 35 9,36	,114	, 429	—
7976	46 Bootis b 6	6	1 16,52	2,588	, 004	+,011	6	+26 56 15,78	,105	, 277	— ,07
7977	— 6	6	1 24,11	2,612	, 004	+,002	5	+25 44 38,06	,096	, 280	— ,01
7978	Urs. Min. 7.8	1	1 25,97	—1,108	, 167	—,011	3	+77 10 36,80	,094	—,00116	+ ,01
7979	Lupi 7.8	2	1 33,37	+3,689	, 029	—	2	—33 0 26,48	,087	+,00396	—
7980	Libræ 9	4	1 34,57	3,445	, 019	,000	4	—21 26 38,57	,086	, 368	— ,05
7981	Lupi e 6	3	1 46,83	3,987	, 042	+,001	2	—43 52 13,81	,072	, 428	— ,18
7982	Libræ 7.8	4	2 10,73	3,281	, 015	+,013	3	—12 25 23,98	,049	, 351	,00
7983	Lupi 6.7	2	2 45,11	3,753	, 031	—	2	—35 27 49,35	,012	, 405	—
7984	24 Libræ ι 5.6	6	2 49,84	3,404	, 018	,000	5	—19 9 39,47	,007	, 365	+ ,01
7985	Serpentis 7	4	3 12,49	3,013	, 007	+,009	4	+ 3 27 28,29	13,985	, 326	— ,03
7986	Circini δ¹ 6.7	6	3 21,55	4,752	, 085	—	6	—60 16 57,73	,975	, 514	—
7987	Lupi 7.8	3	3 32,75	3,959	, 040	—	3	—42 45 45,40	,962	, 427	—
7988	Tri. Aust. γ 3	5	3 38,53	5,456	, 144	—	5	—68 3 40,19	,957	, 358	—
7989	Circini δ²	2	3 40,57	4,753	, 085	—	—	—60 16 —	,955	, 514	—
7990	Scorpii 7.8	2	3 51,13	3,513	, 022	—,019	4	—24 40 52,75	,943	, 380	— ,11
7991	25 Libræ ι² 6.7	4	3 56,19	3,402	, 018	+,004	3	—19 1 4,84	,938	, 367	+ ,16
7992	Draconis 8	3	4 3,54	1,514	, 013	+,009	4	+58 17 24,73	,931	, 166	,00
7993	Libræ 6	2	4 8,11	3,532	, 022	—	2	—25 34 7,78	,926	, 382	—
7994	Scorpii 8	3	4 14,47	3,495	, 021	+,007	4	—23 45 14,18	,920	, 378	— ,06
7995	Lupi 8	2	4 17,04	3,986	, 042	—	2	—43 31 37,12	,916	, 431	—
7996	95 Libræ 6.7	3	4 17,67	3,247	, 014	+,009	4	—10 22 49,66	,915	, 351	— ,02
7997	Lupi 7.8	5	4 27,24	4,121	, 048	—	5	—47 27 9,05	,905	, 447	—
7998	— g 6	3	4 32,20	3,648	, 027	+,002	3	—30 53 46,68	,900	, 396	— ,02
7999	Circini β 5	6	4 39,87	4,625	, 078	—	5	—58 10 37,51	,892	, 503	—
8000	— 6	3	4 41,13	4,765	, 086	—	3	—60 20 12,59	,891	, 518	—
8001	385 Bootis 6.7	3	4 44,88	2,663	, 004	+,017	3	+22 56 24,89	,887	, 289	— ,05
8002	Lupi 7.8	6	4 50,98	4,122	, 048	—	4	—47 25 28,44	,881	, 447	—
8003	97 Libræ 7	6	5 9,45	3,381	, 017	,000	7	—17 48 20,14	,862	, 366	— ,02
8004	Lupi 6.7	1	5 11,22	3,968	, 041	—	1	—42 51 55,44	,860	, 431	—
8005	2 Libræ 9.10	4	5 11,48	3,382	, 017	+,005	1	—17 48 59,33	,860	, 366	— ,05
8006	Lupi l 6	3	5 14,66	3,908	, 037	+,005	4	—40 52 16,44	,855	, 424	— ,02
8007	26 Libræ τ 7	2	5 15,83	3,369	, 017	,000	2	—17 8 49,59	,854	, 365	— ,11
8008	Lupi 8	2	5 20,61	3,788	, 032	—	2	—36 31 43,57	,849	, 411	—
8009	— 7	3	5 24,16	4,001	, 042	—	3	—43 53 3,76	,846	, 435	—
8010	— 7.8	2	5 27,49	4,118	, 047	—	2	—47 14 47,70	,843	, 447	—

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
8011	Circini 7	2	15 5 37,27	+4,740	+,00084	——	2	—59 52 53,49	13,832	+,00516	——
8012	Lupi 7.8	2	5 43,04	3,936	, 039	——	2	—41 45 6,93	,822	, 428	——
8013	Libræ 8	4	5 53,46	3,118	, 010	+,009	4	— 2 44 37,77	,815	, 340	—0,07
8014	Circini 8	5	6 0,24	4,719	, 082	——	6	—59 31 12,01	,808	, 515	——
8015	42 Urs. Min. 7.8	3	6 5,01	—0,434	, 105	+,013	4	+74 31 24,79	,803	—,00047	+ ,13
8016	388 Bootis 7	3	6 14,24	+2,647	, 004	+,016	4	+23 36 5,62	,793	+,00290	+ ,22
8017	Lupi 7	2	6 32,83	4,397	, 064	——	2	—53 45 7,11	,772	, 482	——
8018	——— 7.8	2	6 43,30	4,125	, 047	——	2	—47 17 15,05	,762	, 450	——
8019	Scorpii 6.7	1	6 50,23	3,460	, 019	+,007	3	—21 47 1,42	,754	, 378	— ,09
8020	3 Serpentis 6	8	6 59,56	2,976	, 007	+,003	7	+ 5 33 25,21	,744	, 326	— ,09
8021	Lupi μ 5	5	7 5,96	4,125	, 047	——	5	—47 15 40,03	,738	, 451	——
8022	——— μ² 7.8	3	7 7,47	4,126	, 047	——	2	—47 15 55,49	,736	, 451	——
8023	——— 6.7	2	7 20,46	3,902	, 036	——	2	—40 26 55,52	,722	, 427	——
8024	391 Bootis 6.7	3	7 21,00	2,452	, 006	+,021	3	+32 24 23,69	,721	, 269	— ,16
8025	4 Serpentis 6	4	7 25,40	3,055	, 009	+,014	3	+ 0 59 16,57	,717	, 335	,00
8026	Lupi 8	2	7 28,96	3,913	, 036	——	2	—40 48 11,74	,713	, 428	——
8027	48 Bootis χ 5	10	7 35,25	2,513	, 005	—,001	8	+29 46 50,11	,707	, 275	— ,13
8028	2 Lupi f 4.5	5	7 48,93	3,624	, 025	+,010	5	—29 32 8,98	,692	, 398	— ,02
8029	27 Libræ β 2.3	3	8 8,30	3,222	, 013	+,001	5	— 8 46 7,21	,671	, 354	— ,05
8030	39 Lupi 6	3	8 9,09	3,897	, 035	+,004	4	—40 10 35,87	,670	, 427	— ,05
8031	Circini ν 7	1	8 12,37	4,496	, 069	——	1	—55 31 28,11	,667	, 496	——
8032	49 Bootis δ 3.4	4	8 51,05	2,411	, 006	+,025	6	+33 56 2,93	,626	, 266	— ,19
8033	Circini 7	2	9 2,28	3,797	, 031	——	2	—36 28 58,07	,614	, 417	——
8034	Serpentis 8	4	9 12,01	3,077	, 009	+,010	4	— 0 22 28,73	,603	, 341	— ,02
8035	Circini 8	2	9 19,52	4,561	, 072	——	2	—56 32 26,23	,595	, 505	——
8036	Lupi 7.8	1	9 36,10	4,132	, 046	——	1	—47 9 18,27	,578	, 455	——
8037	Circini 8	2	9 59,89	4,412	, 063	——	2	—53 41 6,39	,552	, 490	——
8038	Lupi 7.8	2	10 5,60	4,380	, 061	——	2	—52 59 55,36	,546	, 486	——
8039	Circini 6.7	2	10 17,85	4,695	, 079	——	2	—58 43 7,29	,532	, 521	——
8040	Lupi *var.*	4	10 23,43	4,036	, 042	—,012	4	—44 20 1,75	,527	, 446	— ,05
8041	116 Libræ 7	3	10 28,93	3,219	, 013	+,006	3	— 8 32 15,82	,521	, 357	— ,08
8042	Lupi δ 5	5	10 34,25	3,901	, 035	—,001	7	—40 2 36,34	,516	, 431	— ,13
8043	——— ν 5	2	10 41,46	4,143	, 047	——	5	—47 19 12,54	,508	, 458	——
8044	——— 7	4	10 42,02	4,158	, 048	——	4	—47 42 14,42	,507	, 460	——
8045	——— 7	2	10 46,59	3,905	, 035	——	2	—40 8 47,05	,502	, 432	——
8046	Quad. Mur. 6.7	3	10 48,03	1,826	, 011	+,003	4	+51 33 4,43	,500	, 203	— ,05
8047	5 Serpentis 5.6	7	10 53,92	3,030	, 008	+,032	6	+ 2 23 41,81	,494	, 337	— ,52
8048	Bootis 6	4	11 0,77	2,688	, 003	+,005	2	+21 10 49,80	,487	, 299	— ,04
8049	Lupi 7	4	11 6,53	4,580	, 072	——	4	—56 43 56,09	,481	, 515	——
8050	——— 7	2	11 13,19	4,300	, 054	——	2	—51 8 10,30	,473	, 476	——
8051	Lupi φ¹ 5	3	11 21,73	3,782	, 031	+,002	4	—35 39 22,69	,463	, 419	— ,05
8052	——— ε 4.5	4	11 30,11	4,031	, 041	—,017	5	—44 5 19,96	,454	, 447	— ,17
8053	Libræ 8.9	4	11 32,94	3,254	, 014	+,016	4	—10 25 48,19	,451	, 362	— ,10
8054	28 ——— υ 6	5	11 33,20	3,385	, 017	+,006	9	—17 33 13,49	,451	, 376	— ,18
8055	——— 8	5	11 45,83	3,332	, 015	+,005	4	—14 46 16,03	,438	, 371	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8056	29 Libræ o^1 7	2	15 11 48,64	+3,336	+,00016	+,005	8	—14 56 51,85	13,434	+,00372	—0,09
8057	Lupi 7	1	11 58,51	3,682	, 027	——	1	—31 35 20,83	,424	, 410	——
8058	Libræ 8	4	12 23,76	3,176	, 012	+,009	5	— 6 0 46,27	,396	, 354	— ,06
8059	6 Serpentis 6	6	12 38,48	3,048	, 008	+,025	8	+ 1 19 14,08	,381	, 341	— ,13
8060	Lupi ϕ^2 5	6	12 38,51	3,802	, 031	—,002	5	—36 15 37,16	,380	, 424	— ,05
8061	Cor. Bor. 8.9	2	12 44,71	2,492	, 005	—,006	4	+30 10 12,13	,373	, 279	— ,06
8062	Libræ 7.8	2	12 44,93	3,618	, 024	——	2	—28 44 38,12	,373	, 404	——
8063	—— 8	3	12 48,63	3,180	, 012	+,017	4	— 6 13 33,30	,369	, 355	— ,06
8064	Cor. Bor. o 6.7	4	13 19,18	2,489	, 005	+,003	4	+30 13 7,32	,336	, 279	— ,08
8065	—— —— 8.9	3	13 30,26	2,486	, 005	+,001	4	+30 20 34,50	,324	, 279	— ,05
8066	Lupi 7	2	13 35,74	4,372	, 058	——	2	—52 28 0,26	,317	, 491	——
8067	Libræ 8	5	13 39,83	3,248	, 014	+,009	4	—10 3 19,03	,313	, 364	— ,19
8068	Lupi 6.7	1	13 44,61	4,131	, 046	——	1	—46 37 31,33	,307	, 462	——
8069	30 Libræ o^2 6	5	13 50,45	3,330	, 016	+,006	3	—14 32 21,75	,302	, 373	— ,24
8070	3 Cor. Bor. 6.7	2	13 59,30	2,592	, 004	+,008	3	+25 33 27,61	,292	, 291	+ ,02
8071	Lupi ν 6	3	14 0,20	3,885	, 034	—,004	4	—39 6 55,38	,291	, 435	— ,07
8072	Libræ 8	2	14 9,75	3,587	, 023	——	2	—26 42 35,49	,280	, 401	——
8073	Lupi 7.8	2	14 14,00	3,781	, 030	——	2	—35 19 27,03	,276	, 424	——
8074	15 Quad. Mur. 7.8	3	14 20,29	1,841	, 011	+,019	3	+50 48 47,84	,269	, 208	— ,10
8075	Tri. Aust. 7	2	14 34,22	5,253	, 115	——	2	—65 18 10,34	,254	, 593	——
8076	7 Serpentis 6	5	14 34,65	2,836	, 005	+,010	6	+13 9 47,67	,252	, 320	— ,09
8077	51 Lupi 6	3	14 39,93	3,860	, 033	—,008	3	—38 8 31,45	,247	, 433	— ,09
8078	Libræ 6	5	14 49,72	3,280	, 014	+,006	2	—11 46 30,90	,236	, 370	— ,09
8079	Lupi 8	3	15 1,32	3,791	, 030	——	3	—35 36 29,35	,224	, 427	——
8080	Bootis u 6	3	15 11,96	2,404	, 005	—,007	3	+33 31 41,76	,212	, 271	— ,06
8081	133 Libræ 6.7	3	15 13,75	3,079	, 008	+,008	4	— 0 25 43,58	,210	, 349	— ,07
8082	31 —— ι 5.6	6	15 15,93	3,243	, 013	+,002	2	— 9 43 25,99	,207	, 366	— ,24
8083	Lupi 8	2	15 20,08	3,895	, 026	——	2	—39 18 1,58	,203	, 438	——
8084	—— 7.8	2	15 23,64	4,075	, 041	——	2	—44 55 30,19	,199	, 459	——
8085	—— 7.8	5	15 31,39	4,224	, 047	——	5	—48 51 58,06	,191	, 475	——
8086	Lupi 7	2	15 45,91	3,804	, 029	——	2	—36 0 33,78	,174	, 429	——
8087	Serpentis 8	3	15 53,96	3,070	, 008	+,020	3	+ 0 2 44,48	,166	, 347	— ,08
8088	—— 8	4	16 0,44	2,902	, 005	+,006	4	+ 9 29 44,20	,159	, 329	— ,05
8089	Libræ 9.10	3	16 8,04	3,227	, 012	+,011	4	— 8 47 16,33	,150	, 365	— ,14
8090	Serpentis 8	3	16 18,75	2,899	, 005	+,011	4	+ 9 40 45,53	,138	, 329	— ,05
8091	134 Libræ 6.7	3	16 20,52	3,170	, 011	+,022	4	— 5 39 26,21	,136	, 359	— ,06
8092	Cor. Bor. η 6	3	16 23,49	2,467	, 004	+,020	4	+30 53 15,46	,134	, 279	— ,19
8093	Draconis 8	2	16 30,33	1,653	, 012	+,028	3	+54 31 18,12	,126	, 186	— ,02
8094	Libræ 8	4	16 33,77	3,455	, 018	+,012	3	—20 47 38,05	,122	, 390	+ ,02
8095	Lupi 6	3	16 45,57	3,811	, 030	—,003	3	—36 10 51,81	,108	, 431	+ ,06
8096	Urs. Min. ι 6	3	17 17,05	—0,130	, 072	+,026	3	+72 25 19,73	,074	—,00010	+ ,04
8097	Lupi 8.9	3	17 29,77	+4,062	, 040	——	3	—44 18 42,54	,060	+,00460	——
8098	—— 8	5	17 35,36	4,288	, 050	——	5	—50 9 15,39	,054	, 484	——
8099	—— 8	2	17 44,07	3,730	, 027	——	2	—32 57 43,18	,044	, 424	——
8100	—— 7	2	17 44,38	3,838	, 031	——	2	—37 2 52,88	,044	, 436	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
8101	Lupi .6	2	15 17 57,29	+4,129	+,00043	——	2	—46 9 12,01	13,030	+,00468	——
8102	9 Serpentis 5.6	5	18 8,51	2,779	, 004	+,007	5	+16 0 48,71	,018	, 317	—0,02
8103	51 Bootis μ 4	8	18 15,47	2,277	, 006	—,003	6	+37 57 32,86	,010	, 259	— ,04
8104	—— 8	2	18 16,62	2,278	, 006	—,008	2	+37 55 45,96	,008	, 259	+ ,04
8105	Libræ 8.9	3	18 25,18	3,164	, 010	+,005	3	— 5 14 6,51	12,999	, 361	— ,09
8106	16 Serpentis 6.7	3	18 28,01	2,699	, 003	,000	3	+20 3 53,19	,996	, 308	— ,04
8107	Lupi 7	2	18 33,42	4,413	, 059	——	2	—52 47 49,58	,990	, 503	——
8108	—— 6.7	6	18 37,39	3,869	, 032	——	6	—38 3 10,25	,985	, 440	——
8109	Serpentis 7	3	18 38,45	2,725	, 004	—,005	3	+18 45 17,84	,984	, 311	— ,07
8110	Libræ 7.8	6	18 46,12	3,455	, 018	—,022	6	—20 37 46,08	,975	, 393	,00
8111	32 Libræ ζ¹ 6	7	18 57,70	3,366	, 015	+,001	5	—16 8 7,01	,962	, 384	— ,16
8112	—— 7	2	18 58,88	3,620	, 023	——	2	—28 17 10,39	,961	, 413	——
8113	—— 8	3	19 12,87	3,267	, 013	+,009	4	—10 52 10,76	,946	, 374	— ,08
8114	Lupi 7	2	19 21,90	3,970	, 036	——	2	—41 20 31,61	,936	, 453	——
8115	—— 6.7	1	19 23,72	4,181	, 045	——	1	—47 20 44,44	,933	, 476	——
8116	Lupi 6.7	2	19 25,26	3,872	, 032	——	1	—38 4 50,00	,932	, 442	——
8117	Libræ *var.*	4	19 39,24	3,168	, 010	+,008	4	— 5 25 29,77	,916	, 364	— ,06
8118	Cor. Bor. 6.7	2	19 49,95	2,356	, 005	+,014	4	+34 54 51,38	,904	, 269	— ,03
8119	Libræ ζ² 7	3	20 15,62	3,382	, 016	+,008	4	—16 51 55,84	,876	, 387	— ,03
8120	Lupi 8	2	20 18,70	3,737	, 027	——	2	—33 0 20,71	,872	, 428	——
8121	10 Serpentis 5.6	5	20 18,73	3,028	, 007	+,008	4	+ 2 25 14,97	,872	, 348	— ,10
8122	Lupi 8	4	20 27,95	4,297	, 049	——	4	—50 5 13,26	,862	, 489	——
8123	13 Cor. Bor. 6.7	3	20 33,26	2,577	, 004	+,010	3	+25 40 48,35	,857	, 295	— ,07
8124	Libræ 7	6	20 52,01	3,379	, 016	——	3	—16 40 57,65	,836	, 387	+1,4T
8125	Lupi 7.8	3	20 55,20	4,081	, 040	——	3	—44 29 51,10	,833	, 468	——
8126	Lupi 7	2	20 56,30	3,745	, 027	——	2	—33 14 48,89	,831	, 431	——
8127	3 Cor. Bor. β 4	7	21 1,84	2,485	, 004	+,002	5	+29 40 43,51	,825	, 285	,00
8128	13 Urs. Min. γ² 3.4	1	21 2,49	—0,174	, 075	+,014	5	+72 25 15,08	,825	—,00011	,00
8129	12 Draconis ι 3	5	21 16,20	+1,320	, 015	+,013	5	+59 32 46,41	,810	+,00161	— ,05
8130	Serpentis 8.9	2	21 16,23	3,029	, 007	+,033	4	+ 2 19 51,67	,810	, 350	— ,11
8131	Lupi 7	1	21 21,06	3,877	, 032	——	1	—38 3 1,20	,804	, 445	——
8132	34 Libræ ζ³ 6	1	21 22,78	3,367	, 015	+,017	4	—16 2 16,50	,802	, 387	— ,10
8133	21 Serpentis 6.7	3	21 37,12	2,757	, 004	—,017	4	+16 58 0,47	,784	, 318	+ ,01
8134	Libræ 8.9	5	21 38,24	3,411	, 016	—,017	4	—18 15 51,26	,783	, 392	— ,04
8135	Tri. Aust. ε 5	7	21 44,10	5,359	, 111	——	8	—65 45 8,07	,776	, 615	——
8136	Libræ 8	1	21 49,90	3,353	, 015	+,007	4	—15 16 29,59	,770	, 386	— ,03
8137	22 Serpentis 7.8	3	22 9,11	2,760	, 004	+,013	4	+16 45 50,90	,749	, 318	+ ,01
8138	Scorpii 8	3	22 9,18	3,611	, 023	+,017	4	—27 35 51,18	,749	, 416	— ,10
8139	150 Libræ 7	3	22 15,06	3,439	, 017	+,014	3	—19 35 39,99	,742	, 396	— ,09
8140	Lupi 7	3	22 30,04	3,936	, 034	——	3	—39 55 20,58	,725	, 454	——
8141	Libræ 8	4	23 7,48	3,424	, 017	+,017	4	—18 50 10,01	,683	, 396	— ,07
8142	—— 6.7	3	23 8,86	3,430	, 017	+,007	2	—19 6 6,90	,681	, 396	,00
8143	Lupi 7.8	2	23 32,86	3,905	, 033	——	2	—38 47 5,32	,654	, 452	——
8144	35 Libræ ζ⁴ 6	3	23 36,74	3,374	, 015	+,016	3	—16 17 13,40	,649	, 390	— ,07
8145	18 Cor. Bor. 7.8	3	23 42,85	2,426	, 004	+,021	4	+31 51 19,39	,642	, 281	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8146	Libræ 8	3	15 24 8,00	+3,546	+,00020	——	3	—24 32 51,64	12,614	+,00411	——
8147	Lupi γ 4	3	24 10,60	3,962	, 035	+,001	7	—40 36 18,06	,610	, 459	—0,14
8148	Libræ 8	3	24 11,90	3,246	, 012	+,015	4	— 9 32 46,48	,609	, 377	— ,04
8149	25 Serpentis 7.8	2	24 13,65	2,757	, 004	+,026	3	+16 48 1,15	,607	, 321	— ,08
8150	11 ——— 6	4	24 28,49	3,082	, 008	+,018	4	— 0 37 14,72	,591	, 360	— ,02
8151	Lupi d 6	3	24 33,33	4,091	, 040	+,007	3	—44 23 55,44	,586	, 475	— ,11
8152	Serpentis τ² 7.8	1	24 33,72	2,760	, 004	+,008	4	+16 37 13,45	,585	, 321	— ,09
8153	36 Libræ 6	1	24 38,10	3,613	, 022	+,005	3	—27 28 53,93	,580	, 420	+ ,21
8154	Draconis 6	2	24 42,96	1,040	, 021	—,055	3	+62 50 49,48	,574	, 119	— ,17
8155	Lupi 6.7	2	24 55,92	4,072	, 040	——	2	—43 50 13,17	,559	, 474	——
8156	Bootis ν¹ 5.6	4	25 0,12	2,152	, 006	+,009	3	+41 23 56,74	,555	, 250	+ ,02
8157	Serpentis 7.8	3	25 2,31	3,000	, 007	+,013	4	+ 3 53 10,01	,553	, 352	— ,08
8158	37 Libræ f¹ 4	8	25 10,18	3,246	, 012	+,028	4	— 9 29 35,87	,544	, 379	— ,26
8159	29 Serpentis 6.7	3	25 28,51	2,760	, 004	+,011	4	+16 34 29,29	,523	, 322	— ,01
8160	Normæ 7	2	25 31,74	4,507	, 060	——	2	—53 58 0,78	,519	, 527	——
8161	Lupi 7	2	25 45,69	3,964	, 035	——	2	—40 30 17,95	,503	, 462	——
8162	Bootis ν² 5.6	3	25 52,60	2,147	, 006	+,003	4	+41 27 46,53	,495	, 251	— ,02
8163	Lupi 7	3	26 12,49	3,964	, 035	——	3	—40 27 53,25	,473	, 463	——
8164	4 Cor. Bor. β 4.5	5	26 16,81	2,419	, 004	+,009	3	+31 55 10,94	,468	, 282	— ,11
8165	38 Libræ γ 4.5	7	26 18,26	3,337	, 015	—,004	4	—14 14 0,49	,467	, 389	— ,11
8166	31 Serpentis 7	3	26 21,20	2,737	, 004	+,005	4	+17 41 55,78	,463	, 320	— ,06
8167	74 Draconis 6.7	3	26 26,74	1,043	, 021	+,009	4	+62 39 56,48	,456	, 117	— ,06
8168	Normæ 6	2	26 36,41	4,404	, 054	——	2	—51 49 13,90	,445	, 514	——
8169	——— 7	2	26 53,88	4,564	, 063	——	2	—54 52 37,05	,425	, 536	——
8170	13 Serpentis δ 3	1	26 55,70	2,865	, 005	+,010	3	+11 5 43,01	,422	, 337	— ,04
8171	Lupi ι 5	2	26 58,09	4,017	, 036	—,001	2	—42 1 10,30	,420	, 470	— ,15
8172	39 Libræ 5	5	27 1,49	3,620	, 022	+,006	4	—27 34 54,56	,417	, 424	,00
8173	Normæ 7	1	27 15,70	4,651	, 066	——	1	—56 21 54,18	,401	, 547	——
8174	Scorpii 7	2	27 35,61	3,578	, 021	+,011	3	—25 43 38,07	,376	, 420	— ,06
8175	5 Cor. Bor. α 2	38	27 42,23	2,529	, 004	+,018	45	+27 16 27,75	,369	, 297	— ,16
8176	15 Serpentis 6	4	28 3,95	2,724	, 004	—,003	3	+18 12 35,50	,345	, 221	— ,06
8177	14 ——— A¹ 6	5	28 6,28	3,071	, 008	+,009	6	— 0 0 29,83	,342	, 363	— ,05
8178	Libræ 7	5	28 15,01	3,623	, 022	+,009	7	—27 39 22,14	,332	, 426	— ,05
8179	40 ——— 4.5	6	28 32,53	3,662	, 023	+,005	7	—29 13 42,95	,311	, 432	— ,12
8180	16 Serpentis 6	5	28 34,27	2,874	, 006	+,014	7	+10 34 2,06	,310	, 341	— ,11
8181	75 Draconis 7	3	28 38,05	0,830	, 026	+,019	3	+64 45 55,27	,305	, 098	+ ,11
8182	173 Libræ 7	4	28 48,88	3,334	, 015	+,029	3	—13 58 51,30	,293	, 393	— ,05
8183	Serpentis π⁴ 6	3	28 49,59	2,775	, 004	+,006	3	+15 39 5,55	,291	, 328	— ,14
8184	18 ——— τ² 6	5	28 53,31	2,755	, 004	+,011	7	+16 40 12,76	,288	, 325	— ,06
8185	Libræ 8.9	3	29 1,84	3,326	, 015	+,010	1	—13 33 8,29	,278	, 392	— ,05
8186	Normæ 7.8	1	29 6,54	4,467	, 056	——	1	—52 50 54,83	,272	, 526	——
8187	6 Cor. Bor. μ 5	2	29 11,55	2,197	, 005	+,003	5	+39 33 42,74	,266	, 260	— ,08
8188	Normæ 7	2	29 17,97	4,214	, 043	——	2	—47 11 29,69	,260	, 496	——
8189	175 Libræ 7	2	29 18,08	3,334	, 015	+,011	4	—13 57 57,19	,260	, 393	— ,10
8190	72 Lupi 5.6	3	29 18,61	3,781	, 027	+,002	4	—33 51 58,96	,259	, 447	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8191	41 Libræ φ 6	4	15 29 25,64	+3,430	+,00016	+,021	4	—18 45 6,54	12,250	+,00405	—0,06
8192	Lupi 6	2	29 31,45	4,096	, 039	+,013	1	—44 4 27,07	,244	, 483	— ,03
8193	Libræ 7.8	3	29 37,63	3,613	, 021	——	3	—27 5 56,42	,236	, 426	——
8194	Lupi g 5	3	29 53,19	4,099	, 039	+,006	4	—44 6 25,77	,219	, 484	— ,35
8195	Serpentis 7.8	4	30 0,33	2,745	, 004	+,005	5	+17 4 42,98	,211	, 325	— ,09
8196	Libræ 7	2	30 2,65	3,700	, 024	——	2	—30 40 11,32	,208	, 438	——
8197	23 Quad. Mur. 7	3	30 16,53	1,781	, 010	+,009	4	+50 32 53,72	,192	, 212	— ,12
8198	42 Libræ χ 5.6	3	30 32,32	3,528	, 019	+,001	3	—23 16 32,57	,174	, 418	— ,16
8199	Normæ 7	2	30 34,38	4,280	, 045	——	2	—48 40 41,93	,172	, 504	——
8200	Libræ 7.8	3	30 38,38	3,327	, 014	,000	5	—13 30 40,12	,167	, 394	— ,05
8201	Normæ 6.7	2	30 43,67	4,292	, 046	——	2	—48 56 58,42	,160	, 506	——
8202	28 Cor. Bor. 7.8	3	31 11,98	2,573	, 004	+,010	4	+25 3 59,95	,127	, 306	— ,08
8203	Circini 7.8	2	31 20,70	4,975	, 082	——	2	—60 45 37,10	,116	, 587	——
8204	Scorpii 7.8	2	31 27,17	3,656	, 022	——	2	—28 45 41,02	,109	, 433	——
8205	—— 7.8	2	31 32,40	3,654	, 022	——	2	—28 38 49,73	,104	, 433	——
8206	Lupi 8	2	31 36,87	4,158	, 041	——	2	—45 32 30,96	,098	, 493	——
8207	Normæ 7	5	31 50,10	4,407	, 051	——	5	—51 22 13,57	,082	, 522	——
8208	Bootis φ 6	3	31 54,05	2,147	, 005	+,012	3	+40 53 40,59	,078	, 256	+ ,05
8209	Lupi h 5.6	3	31 56,26	3,872	, 030	—,013	3	—36 53 16,36	,075	, 461	— ,12
8210	Libræ 8	3	32 5,70	3,326	, 014	+,015	4	—13 25 54,81	,064	, 396	— ,05
8211	46 Serpentis 7.8	3	32 6,81	2,747	, 004	+,021	4	+16 51 10,54	,063	, 327	+ ,02
8212	73 Lupi 5.6	3	32 11,62	3,796	, 027	+,005	3	—34 10 22,56	,057	, 452	— ,01
8213	32 Cor. Bor. 6.7	3	32 26,20	2,316	, 005	+,002	4	+35 13 2,04	,040	, 276	— ,03
8214	43 Libræ κ 5	9	32 27,22	3,442	, 017	+,005	5	—19 8 16,65	,039	, 410	— ,22
8215	Quad. Mur. c 7	3	32 59,43	1,908	, 009	+,012	4	+47 20 41,89	,002	, 228	— ,17
8216	7 Cor. Bor. ζ 5	4	33 10,09	2,258	, 004	+,016	5	+37 10 30,68	11,990	, 270	— ,14
8217	Lupi 6.7	6	33 16,52	4,013	, 035	——	6	—41 17 9,52	,982	, 479	——
8218	Scorpii 7.8	3	33 20,10	3,568	, 020	+,009	3	—24 52 54,85	,977	, 421	— ,12
8219	19 Serpentis τ³ 6	3	33 24,23	2,752	, 004	+,013	6	+16 33 42,96	,973	, 330	— ,04
8220	154 Libræ 7	3	33 30,02	3,368	, 015	—,009	3	—15 28 42,63	,966	, 403	— ,15
8221	28 Quad. Mur. 7	3	33 45,14	1,900	, 009	+,015	3	+47 27 58,87	,948	, 227	— ,03
8222	Lupi 7	2	33 47,62	3,718	, 024	——	2	—31 4 8,86	,945	, 445	——
8223	20 Serpentis χ 5.6	3	34 1,94	2,815	, 005	+,016	1	+13 22 55,56	,929	, 338	— ,04
8224	Libræ 7	5	34 10,48	3,349	, 014	——	6	—14 30 27,72	,920	, 401	——
8225	23 Serpentis ι 5	6	34 11,95	2,675	, 003	+,011	5	+20 12 23,50	,917	, 321	— ,06
8226	22 Serpentis 6	1	34 29,63	2,700	, 003	+,002	3	+18 59 39,91	,896	, 324	— ,01
8227	Normæ 7	4	34 30,00	4,430	, 051	——	4	—51 37 18,23	,896	, 531	+,9T.B.
8228	44 Libræ η 4.5	8	34 48,27	3,363	, 014	+,017	6	—15 8 26,62	,874	, 404	— ,11
8229	Normæ 7	1	34 49,49	4,277	, 044	——	1	—48 12 41,97	,873	, 511	——
8230	Serpentis 8	5	35 28,08	3,015	, 007	+,005	4	+ 2 58 8,05	,827	, 365	— ,06
8231	23 Serpentis ψ 6	2	35 44,48	3,013	, 007	+,005	3	+ 3 2 59,13	,809	, 365	— ,21
8232	8 Cor. Bor. γ 6	6	35 48,82	2,525	, 004	+,008	2	+26 49 21,91	,803	, 305	— ,04
8233	24 Serpentis α 2.3	31	36 8,76	2,939	, 006	+,016	31	+ 6 56 59,36	,780	, 356	,00
8234	Normæ 8	3	36 9,93	4,551	, 058	——	3	—53 52 33,41	,779	, 551	——
8235	78 Lupi 6.7	3	36 13,04	3,806	, 027	+,002	4	—34 9 30,89	,775	, 449	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8236	15 Urs. Min. θ 5	6	15 36 27,91	—1,981	+,00196		8	+77 53 43,66	11,757	—,00241	0,00
8237	Lupi 7	2	36 29,10	+3,969	, 032	——	2	—39 40 16,65	,756	+,00480	——
8238	Normæ 7.8	2	36 29,16	4,454	, 052	——	2	—51 55 12,81	,756	, 537	——
8239	Draconis 8	4	36 49,32	0,597	, 033	+,022	4	+66 19 41,73	,732	, 098	— ,05
8240	Normæ 8	2	36 54,63	4,445	, 051	——	2	—51 41 55,97	,725	, 536	——
8241	• Lupi 8	2	36 56,10	4,113	, 037	——	2	—43 49 59,48	,723	, 497	——
8242	26 Serpentis 6	4	37 12,55	2,723	, 004	+,018	3	+17 47 16,31	,705	, 329	— ,03
8243	61 ——— 7	3	37 17,66	2,733	, 004	+,008	3	+17 15 41,67	,698	, 331	— ,05
8244	Cor. Bor. π 6	3	37 29,24	2,364	, 004	+,003	4	+33 2 26,35	,685	, 286	— ,13
8245	25 Serpentis A² 6	3	37 34,24	3,095	, 008	+,013	3	— 1 16 52,27	,679	, 376	— ,05
8246	Scorpii 7	2	38 17,20	3,657	, 021	——	2	—28 16 20,17	,628	, 443	——
8247	27 Serpentis λ 4.5	9	38 26,62	2,920	, 006	—,004	5	+ 7 52 31,16	,617	, 356	— ,03
8248	Urs. Min. 8	3	38 32,85	—1,649	, 165	+,028	3	+76 59 23,97	,609	—,00201	+ ,09
8249	28 Serpentis β 3.4	6	38 34,49	+2,759	, 004	+,014	5	+15 56 35,39	,608	+,00336	— ,16
8250	Lupi 7	2	38 44,69	4,158	, 038	——	2	—44 53 16,33	,595	, 505	——
8251	29 Serpentis 7.8	4	39 48,70	2,757	, 004	+,011	4	+16 2 41,73	,593	, 336	— ,11
8252	Normæ 7	2	39 26,54	4,859	, 070	——	2	—58 32 59,11	,546	, 593	——
8253	31 Serpentis υ 7	4	39 37,76	2,785	, 005	+,005	3	+14 37 44,92	,531	, 340	— ,01
8254	Normæ 7	1	40 3,04	4,564	, 056	——	1	—53 44 8,26	,502	, 558	——
8255	75 Serpentis 6.7	6	40 18,67	3,134	, 009	,000	3	— 3 18 25,36	,473	, 383	— ,05
8256	5 Lupi χ 4.5	5	40 29,65	3,786	, 025	+,003	5	—33 7 5,55	,470	, 462	— ,14
8257	77 Serpentis 7	1	40 31,91	2,791	, 005	+,003	4	+14 18 24,07	,467	, 342	— ,16
8258	Tri. Aust. β 3	5	40 41,10	5,217	, 090	——	8	—62 54 39,95	,455	, 636	——
8259	32 Serpentis μ 3.4	5	41 1,12	3,127	, 009	+,002	4	— 2 55 11,07	,432	, 383	— ,13
8260	1 Scorpii b 5	2	41 4,33	3,589	, 019	+,010	3	—25 14 32,59	,429	, 438	+ ,03
8261	79 Serpentis 6.7	3	41 5,67	2,813	, 005	+,003	3	+13 14 4,84	,426	, 345	— ,05
8262	35 ——— κ 4	3	41 19,15	2,700	, 004	+,012	5	+18 39 21,62	,411	, 331	— ,14
8263	80 ——— 7.8	2	41 19,46	3,137	, 009	+,004	3	— 3 24 40,78	,411	, 384	,00
8264	Lupi 7.8	2	41 44,70	3,803	, 026	——	2	—33 36 49,24	,387	, 466	——
8265	50 Cor. Bor. 6	2	41 47,00	2,469	, 004	+,019	3	+28 40 2,35	,376	, 303	— ,05
8266	85 Serpentis 6.7	3	41 49,01	2,815	, 005	+,015	4	+13 3 58,31	,374	, 346	— ,02
8267	Normæ 6.7	2	41 51,49	4,954	, 072	——	2	—59 40 32,73	,371	, 607	——
8268	34 Serpentis ω 6	3	41 58,33	3,019	, 007	+,019	1	+ 2 42 20,82	,363	, 372	— ,08
8269	Scorpii 7	2	42 2,80	3,692	, 022	——	2	—29 22 44,62	,358	, 452	——
8270	Normæ 8	2	42 16,78	4,420	, 047	——	2	—50 44 16,89	,340	, 541	——
8271	Normæ 7.8	1	42 21,83	4,535	, 054	——	1	—52 59 57,96	,334	, 568	——
8272	37 Serpentis ε 3	2	42 35,71	2,975	, 007	+,015	4	+ 4 58 47,09	,318	, 367	+ ,03
8273	36 ——— b 6	5	42 40,39	3,121	, 009	+,003	4	— 2 35 7,02	,312	, 384	— ,09
8274	10 Cor. Bor. δ 4.5	7	42 40,49	2,518	, 004	—,001	8	+26 34 40,69	,312	, 310	— ,15
8275	Normæ 7	2	42 42,85	4,379	, 045	——	2	—49 50 16,85	,310	, 536	——
8276	2 Scorpii A¹ 5	2	43 43,34	3,584	, 019	+,013	2	—24 49 40,07	,237	, 441	— ,06
8277	45 Libræ λ 5	1	43 46,14	3,467	, 016	+,009	2	—19 40 3,21	,233	, 429	— ,12
8278	Normæ 7.8	3	43 54,73	4,968	, 071	——	3	—59 42 16,49	,222	, 612	——
8279	——— 8	1	43 59,50	4,101	, 034	——	1	—42 53 51,21	,217	, 506	——
8280	38 Serpentis ρ 5	3	44 1,36	2,635	, 003	+,018	3	+21 28 43,82	,215	, 326	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
8281	Scorpii f^1 6	7	15 44 3,32	+3,565	+,00018	,000	6	—24 2 4,46	11,212	+,00439	—0,04
8282	——— f^2 6	1	44 7,82	3,553	, 018	+,009	3	—23 28 47,60	,207	, 438	— ,08
8283	81 Draconis 6.7	3	44 10,36	0,884	, 002	+,029	4	+63 6 40,00	,205	, 108	— ,07
8284	46 Libræ θ 4.5	5	44 26,56	3,394	, 014	+,011	5	—16 14 20,41	,184	, 420	+ ,04
8285	3 Scorpii A^2 6	6	44 46,18	3,583	, 019	+,009	5	—24 44 51,11	,160	, 442	— ,07
8286	Scorpii 6	2	44 50,69	3,585	, 019	——	4	—24 49 36,83	,153	, 442	——
8287	11 Cor. Bor. κ 5	4	45 0,75	2,258	, 004	+,002	2	+36 10 24,00	,142	, 280	— ,43
8288	93 Serpentis 7	3	45 28,53	2,711	, 004	—,008	3	+17 54 0,05	,109	, 337	— ,05
8289	92 ——— 7.8	3	45 28,54	2,817	, 005	+,007	3	+12 50 56,45	,109	, 350	— ,05
8290	47 Libræ 7	3	45 28,98	3,452	, 016	+,009	3	—18 53 20,13	,108	, 423	— ,00
8291	Serpentis r 6.7	4	45 31,16	2,799	, 005	—,010	4	+13 43 6,47	,106	, 347	— ,75
8292	4 Scorpii 6.7	6	45 32,77	3,609	, 019	+,008	8	—25 46 21,54	,103	, 447	— ,07
8293	——— g^2 6.7	3	45 51,82	3,749	, 023	+,003	3	—31 17 44,20	,079	, 464	— ,05
8294	96 Serpentis 6.7	3	46 2,02	2,739	, 004	+,003	4	+16 34 14,26	,068	, 342	,00
8295	Lupi ξ^1 6.7	5	46 21,75	3,809	, 025	+,006	5	—33 28 31,10	,043	, 472	,00
8296	Lupi ξ^2 6.7	2	46 22,36	3,809	, 025	—,021	3	—33 28 25,33	,043	, 472	— ,04
8297	100 Serpentis 6.7	7	46 42,28	2,893	, 006	+,010	3	+ 9 4 18,81	,019	, 361	— ,03
8298	5 Scorpii ρ 4	4	46 43,05	3,684	, 021	+,011	5	—28 43 32,64	,018	, 457	— ,10
8299	Normæ 7.8	1	46 44,44	4,748	, 062	——	1	—56 19 40,00	,016	, 593	——
8300	Serpentis var.	2	46 51,80	2,892	, 006	+,023	4	+ 9 4 30,29	,006	, 361	+ ,04
8301	Lupi 7	2	46 58,01	4,136	, 035	——	2	—43 35 41,03	10,999	, 514	——
8302	Herculis χ 6	5	46 58,32	2,031	, 005	+,055	5	+42 54 59,33	,999	, 253	+ ,52
8303	Normæ 7.8	2	47 10,83	4,585	, 054	——	2	—53 32 21,43	,984	, 572	——
8304	Serpentis 6	6	47 18,31	2,646	, 003	—,008	5	+20 47 57,47	,975	, 331	— ,01
8305	Scorpii 7	3	47 33,49	3,501	, 016	+,012	3	—20 59 55,19	,957	, 436	,00
8306	Scorpii 7	3	48 1,59	3,548	, 018	+,014	3	—23 2 33,62	,923	, 442	— ,04
8307	102 Serpentis 7	3	48 16,62	2,682	, 003	—,007	3	+19 6 29,06	,904	, 336	— ,09
8308	Lupi 5.6	2	48 17,49	4,056	, 031	——	2	—41 15 48,32	,903	, 506	——
8309	Normæ 7.8	2	48 17,73	4,622	, 055	——	2	—54 5 54,34	,902	, 578	——
8310	Serpentis 7.8	3	48 20,04	2,857	, 006	+,018	3	+10 47 5,55	,899	, 358	,00
8311	41 Serpentis γ 3	3	48 50,08	2,744	, 004	+,011	6	+16 12 18,37	,862	, 346	—1,35
8312	Lupi 6.7	2	48 52,68	3,788	, 024	——	2	—32 31 53,58	,859	, 473	——
8313	6 Scorpii π 3.4	5	48 53,13	3,610	, 019	+,004	5	—25 37 55,37	,859	, 451	—0,05
8314	48 Libræ ψ 5	3	48 57,56	3,347	, 014	+,004	5	—13 47 49,55	,855	, 420	— ,07
8315	Serpentis 7	3	49 0,20	2,995	, 007	+,012	3	+ 3 53 17,99	,851	, 376	— ,04
8316	6 Herculis 6.7	3	49 7,91	1,999	, 005	+,012	4	+43 37 21,45	,842	, 249	+ ,03
8317	Lupi η 5	10	49 12,63	3,947	, 027	—,001	7	—37 54 59,85	,837	, 495	— ,07
8318	Normæ 7	1	49 19,31	4,764	, 059	——	1	—56 22 29,05	,828	, 599	——
8319	Lupi 7.8	2	49 33,27	3,739	, 022	——	2	—30 41 20,48	,811	, 466	——
8320	Serpentis 6	3	49 38,13	2,771	, 005	+,011	3	+14 53 34,02	,805	, 350	+ ,06
8321	Normæ 6.7	1	49 45,80	4,445	, 045	——	1	—50 38 48,22	,795	, 556	——
8322	Tri. Aust. 8	1	49 46,58	5,026	, 069	——	1	—60 1 39,02	,795	, 628	——
8323	Cor. Bor. λ 6	3	49 47,32	2,177	, 003	+,008	3	+38 25 39,77	,794	, 273	+ ,02
8324	Serpentis 8	5	49 47,35	2,712	, 004	+,001	4	+17 39 54,15	,794	, 342	?
8325	7 Herculis 6.7	3	49 57,41	2,018	, 005	+,008	4	+43 2 59,83	,781	, 253	— ,01

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
8326	16 Urs. Min.	ζ 4	6	15 50 6,69	—2,376	+,00209	+,026	5	+78 17 52,80	10,770	—,00299	0,00
8327	7 Scorpii	δ 3	6	50 35,37	+3,531	, 017	+,003	6	—22 8 45,19	,734	+,00443	— ,18
8328	13 Cor. Bor.	ε 4.5	4	50 45,56	2,486	, 003	+,001	4	+27 21 36,30	,722	, 313	— ,10
8329	Normæ	7	2	50 50,67	4,097	, 032	——	2	—42 13 15,77	,714	, 516	——
8330	207 Libræ	7	3	50 51,21	3,206	, 011	+,012	3	— 6 49 31,48	,714	, 405	— ,04
8331	49 Libræ	5.6	5	51 4,87	3,396	, 014	—,032	3	—16 2 27,58	,698	, 428	— ,42
8332	Normæ	8	2	51 37,48	4,588	, 051	——	2	—53 14 34,11	,658	, 579	——
8333	109 Serpentis	7	2	51 38,00	3,049	, 008	—,008	4	+ 1 5 54,29	,657	, 386	+ ,09
8334	50 Libræ	6	2	51 53,98	3,229	, 011	+,016	3	— 7 56 18,61	,637	, 409	— ,11
8335	Normæ	7.8	2	52 5,59	4,745	, 058	——	2	—55 52 33,29	,624	, 601	——
8336	64 Cor. Bor.	7	3	52 8,15	2,403	, 003	+,018	3	+30 28 45,65	,622	, 303	— ,04
8337	93 Lupi	6.7	3	52 27,08	3,962	, 027	,000	3	—38 8 1,85	,597	, 500	+ ,02
8338	Cor. Bor.	7.8	3	52 33,62	2,520	, 003	+,019	3	+25 54 25,19	,588	, 319	,00
8339	Lupi	7.8	4	52 33,56	3,916	, 026	——	4	—36 39 58,87	,588	, 495	——
8340	3 Herculis	6	3	52 40,10	2,974	, 007	+,006	3	+ 4 53 42,18	,581	, 377	+ ,09
8341	Normæ	8	2	52 44,02	4,404	, 042	——	2	—49 33 0,68	,575	, 554	——
8342	68 Cor. Bor.	6	3	52 52,18	2,211	, 003	+,015	4	+37 6 56,43	,565	, 280	— ,06
8343	Scorpii	6	5	53 23,44	3,611	, 019	+,011	3	—25 23 52,21	,528	, 456	— ,02
8344	Lupi	8	3	53 27,77	3,868	, 025	,000	4	—34 58 59,65	,522	, 489	— ,09
8345	——	7.8	2	53 42,84	3,992	, 028	——	2	—38 58 16,69	,502	, 506	——
8346	Libræ	8	4	53 47,98	3,232	, 011	+,006	5	— 8 1 40,65	,495	, 411	— ,06
8347	5 Herculis	r 6	4	53 49,69	2,694	, 004	+,005	3	+18 16 44,30	,492	, 343	+ ,10
8348	Normæ	7	2	54 13,99	4,746	, 057	——	2	—55 44 2,29	,464	, 605	——
8349	Scorpii	8	2	54 19,38	3,690	, 020	——	2	—28 28 9,67	,458	, 467	——
8350	Libræ	8	3	54 22,83	3,232	, 011	+,011	2	— 8 0 53,40	,453	, 411	— ,04
8351	Cor. Bor.	ρ 6	5	54 44,23	2,306	, 003	—,012	5	+33 48 18,44	,425	, 292	— ,78
8352	——	ι 6	3	54 50,11	2,403	, 003	+,003	4	+30 19 1,17	,417	, 307	— ,10
8353	Normæ	δ 5	3	54 51,36	4,203	, 035	—,009	5	—44 43 1,42	,415	, 535	— ,08
8354	44 Serpentis	π 4.5	2	55 11,18	2,579	, 003	+,004	5	+23 16 1,91	,393	, 339	— ,05
8355	Scorpii	8.9	3	55 16,98	3,497	, 016	+,011	4	—20 26 23,34	,385	, 444	— ,14
8356	51 Libræ	ξ 4.5	5	55 18,40	3,291	, 012	+,005	5	—10 54 42,70	,384	, 420	— ,11
8357	Lupi	7	2	55 22,44	4,031	, 028	——	2	—39 59 36,41	,379	, 513	——
8358	Normæ	7.8	2	55 23,31	4,341	, 039	——	2	—47 58 3,18	,378	, 552	——
8359	——	7	2	55 31,29	4,570	, 049	——	2	—52 37 32,35	,367	, 583	——
8360	Scorpii	8	4	55 33,30	3,445	, 015	+,001	4	—18 4 45,46	,364	, 438	— ,06
8361	43 Serpentis	6	2	55 36,52	2,962	, 006	+,013	3	+ 5 26 49,93	,360	, 389	,00
8362	Lupi	θ 4	7	55 46,88	3,914	, 025	+,014	9	—36 20 43,05	,348	, 498	— ,03
8363	Normæ	5.6	1	55 47,97	4,868	, 060	——	1	—57 28 51,09	,345	, 623	——
8364	8 Scorpii	β 2	14	55 51,28	3,473	, 016	+,002	5	—19 20 50,18	,341	, 442	— ,10
8365	——	6	3	55 51,73	3,473	, 016	—,003	3	—19 20 36,67	,340	, 442	— ,06
8366	Normæ	7.8	1	55 56,78	4,261	, 036	——	1	—46 4 12,69	,335	, 543	——
8367	——	7	1	55 59,09	4,746	, 055	——	1	—55 36 30,05	,332	, 608	——
8368	56 Scorpii	7	3	56 10,13	3,471	, 016	—,001	3	—19 13 26,52	,320	, 442	— ,14
8369	Draconis	8	4	56 23,67	1,433	, 013	+,002	4	+54 59 10,38	,303	, 180	,00
8370	12 Herculis	7	3	56 25,17	2,692	, 003	+,002	3	+18 15 40,49	,301	, 345	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8461	Normæ 8.9	1	16 7 53,08	+4,726	+,00049	—	1	—54 30 16,10	9,425	+,00623	—
8462	Scorpii d 5.6	5	8 4,66	3,704	, 018	+,005	6	—28 11 47,82	,412	, 483	—0,22
8463	37 Herculis 6.7	4	8 9,22	2,659	, 003	—,017	4	+19 13 44,37	,406	, 349	— ,16
8464	36 ——— 7	3	8 13,72	2,824	, 004	—,003	3	+11 50 24,28	,399	, 371	— ,01
8465	Ophnichi 6	6	8 15,10	3,144	, 008	—	6	— 3 32 18,90	,397	, 413	—
8466	Normæ 6.7	2	8 29,62	4,587	, 042	—	2	—52 3 42,73	,379	, 604	—
8467	Cor. Bor. σ 6	3	8 30,04	2,265	, 003	—,012	3	+34 16 52,15	,379	, 297	— ,04
8468	Normæ 7	1	8 41,93	4,769	, 050	—	1	—55 8 40,61	,363	, 630	—
8469	38 Herculis 6.7	4	9 3,53	2,446	, 003	+,002	4	+27 50 20,88	,336	, 322	— ,16
8470	Scorpii p 8	4	9 6,52	3,768	, 019	,000	3	—30 29 36,09	,333	, 493	+ ,04
8471	Scorpii s 6	7	9 7,67	3,768	, 019	+,016	3	—30 29 53,81	,331	, 493	+ ,05
8472	17 Herculis 6	3	9 14,76	2,555	, 003	+,005	3	+23 32 15,98	,321	, 334	— ,08
8473	Normæ 6.7	1	9 20,83	4,376	, 035	—	1	—47 46 57,70	,313	, 578	—
8474	Regulæ 7	1	9 24,47	4,031	, 025	+,005	4	—39 1 16,53	,310	, 531	— ,10
8475	Scorpii 7	3	9 28,72	3,497	, 014	+,031	3	—19 48 30,83	,302	, 459	— ,04
8476	2 Ophnichi ε 3	5	9 35,85	3,160	, 009	+,012	5	— 4 17 2,34	,293	, 421	— ,03
8477	Herculis 8	4	9 38,51	2,657	, 003	+,017	4	+19 15 30,22	,291	, 350	— ,03
8478	18 Cor. Bor. υ 6	2	10 8,27	2,398	, 003	+,010	5	+29 33 45,87	,252	, 313	— ,12
8479	Normæ 6	2	10 9,98	4,444	, 037	—	2	—49 10 9,20	,250	, 587	—
8480	——— 7.8	3	10 22,29	4,125	, 027	—	3	—41 36 0,02	,233	, 545	—
8481	101 Scorpii 7.8	4	10 25,87	3,495	, 014	+,021	2	—19 38 15,11	,228	, 459	— ,05
8482	——— 8	2	10 27,25	3,495	, 014	,000	4	—19 38 58,76	,227	, 459	— ,03
8483	9 ——— o 5.6	3	10 43,29	3,594	, 016	+,006	4	—23 45 52,10	,206	, 472	— ,08
8484	42 Herculis 6.7	3	10 51,50	2,542	, 003	+,008	4	+24 0 51,91	,195	, 336	— ,01
8485	Scorpii 8	2	10 51,65	3,497	, 014	+,001	5	—19 42 44,10	,194	, 460	— ,01
8486	Scorpii 8.9	2	10 52,10	3,497	, 014	—,005	3	—19 42 31,43	,194	, 460	— ,04
8487	Normæ 6	2	10 53,03	4,280	, 029	—	2	—43 30 38,61	,192	, 556	—
8488	——— 8.9	1	11 5,61	4,757	, 049	—	1	—54 49 11,49	,177	, 632	—
8489	20 Scorpii σ 4	3	11 10,28	3,630	, 017	+,007	6	—25 11 21,58	,172	, 477	— ,05
8490	Normæ 9	4	11 17,12	4,728	, 047	—	4	—54 19 46,08	,161	, 628	—
8491	Herculis 8.9	3	11 17,12	2,707	, 003	—,007	5	+17 1 21,66	,161	, 358	— ,03
8492	——— 7.8	3	11 19,14	2,947	, 006	+,012	4	+ 5 56 39,63	,159	, 389	— ,08
8493	44 ——— 7	3	11 33,56	2,483	, 003	+,005	3	+26 18 11,45	,141	, 329	— ,08
8494	90 Draconis 7	3	11 46,09	1,453	, 011	+,005	4	+53 39 1,66	,124	, 190	— ,04
8495	Normæ 7.8	4	12 10,50	3,970	, 023	—	4	—37 1 32,54	,093	, 525	—
8496	Herculis 8.9	4	12 42,16	2,810	, 004	+,008	4	+12 20 25,69	,052	, 373	— ,14
8497	Regulæ 7	4	12 52,19	4,031	, 024	+,017	5	—38 47 56,31	,038	, 535	— ,11
8498	Normæ 7	2	13 6,90	4,263	, 031	—	2	—44 57 25,62	,020	, 568	—
8499	109 Scorpii 7	3	13 20,62	3,246	, 010	—,003	3	— 8 20 40,39	,001	, 430	— ,04
8500	Normæ 6.7	1	13 23,86	4,964	, 053	—	1	—57 43 53,50	8,997	, 661	—
8501	Normæ 6.7	2	13 32,57	3,977	, 023	—	2	—37 10 23,46	,986	, 528	—
8502	Draconis 7.8	6	13 40,72	0,283	, 034	+,040	6	+66 47 11,01	,976	, 036	— ,04
8503	50 Serpentis σ 5	6	13 43,31	3,041	, 007	+,010	5	+ 1 25 21,94	,973	, 405	,00
8504	——— 8	4	13 58,83	3,003	, 006	+,003	4	+ 3 16 16,81	,951	, 400	— ,01
8505	——— 8	4	14 4,32	2,998	, 006	+,017	4	+ 3 28 47,64	,945	, 399	— ,15

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P.M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P.M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
8506	Herculis 8	3	16 14 16,35	+2,776	+,00004	+,008	4	+13 51 14,18	8,929	+,00368	—0,11
8507	110 Scorpii 7	3	14 18,94	3,743	, 018	+,007	4	—29 18 38,27	,925	, 495	— ,11
8508	——— 7	3	14 22,73	3,675	, 017	+,020	3	—26 45 31,27	,919	, 486	— ,01
8509	Normæ 6.7	1	14 22,95	5,004	, 054	——	1	—58 12 49,79	,919	, 667	——
8510	4 Ophiuchi ψ 5	9	14 27,57	3,499	, 014	+,003	4	—19 38 39,02	,914	, 463	— ,10
8511	20 Herculis γ 3.4	6	14 38,66	2,645	, 003	+,003	6	+19 32 44,23	,900	, 352	— ,05
8512	Normæ 7	1	14 42,21	4,386	, 034	——	1	—47 39 28,24	,896	, 585	——
8513	22 Herculis τ 4	8	14 46,96	1,799	, 007	—,001	8	+46 42 34,40	,890	, 237	+ ,24
8514	Scorpii 7	2	15 5,51	3,811	, 019	——	2	—31 41 15,50	,865	, 505	——
8515	Normæ 6	2	15 6,63	4,365	, 033	——	2	—47 10 12,22	,863	, 582	——
8516	Scorpii 8.9	3	15 20,55	3,737	, 018	+,001	4	—29 0 46,07	,845	, 495	— ,01
8517	——— 8	4	15 31,46	3,582	, 015	+,004	2	—23 4 21,08	,844	, 475	— ,10
8518	Urs. Maj. k 6	3	15 37,45	—1,851	, 126	+,002	3	+76 17 22,48	,824	—,00243	— ,05
8519	19 Cor. Bor. ξ 5	3	15 40,07	+2,341	, 003	—,002	5	+31 16 44,87	,820	+,00313	+ ,04
8520	5 Ophiuchi g 5	5	15 42,21	3,582	, 015	+,006	5	—23 3 37,85	,817	, 475	— ,17
8521	Scorpii 7	2	15 42,27	3,581	, 015	+,003	1	—23 1 6,33	,817	, 475	— ,12
8522	——— 9	4	15 44,75	3,662	, 016	+,013	4	—26 10 53,50	,813	, 485	— ,03
8523	Normæ 7	2	16 2,03	4,949	, 051	——	2	—57 22 42,74	,790	, 662	——
8524	——— 7	2	16 4,48	4,311	, 032	——	2	—45 52 5,72	,788	, 577	——
8525	Herculis o 6.7	3	16 8,85	2,915	, 006	+,004	3	+ 7 20 9,18	,781	, 389	+ ,03
8526	20 Cor. Bor. ν¹ 5	6	16 8,87	2,255	, 003	+,007	5	+34 11 29,42	,781	, 301	— ,11
8527	21 ——— ν² 5	6	16 16,42	2,257	, 003	+,014	5	+34 5 31,05	,771	, 301	,00
8528	55 Herculis 7	3	16 36,44	2,298	, 003	+,004	4	+32 43 19,65	,746	, 307	— ,10
8529	Ophiuchi 8	3	16 36,68	3,277	, 010	+,006	3	— 9 41 59,47	,746	, 437	— ,06
8530	66 Urs. Min. 6.7	3	16 45,62	—1,623	, 115	—,001	4	+75 36 59,31	,733	—,00215	+ ,03
8531	Normæ 7.8	1	17 5,31	+4,252	, 030	——	1	—44 26 5,85	,708	+,00570	——
8532	——— 6	1	17 15,43	3,973	, 022	——	1	—36 48 2,23	,694	, 531	——
8533	7 Ophiuchi χ 5	8	17 28,29	3,465	, 012	+,017	5	—18 4 30,14	,678	, 461	— ,09
8534	Normæ 7	2	17 29,15	4,618	, 041	——	2	—52 3 58,85	,675	, 620	——
8535	——— 6.7	4	17 45,89	4,314	, 032	——	4	—45 52 7,25	,654	, 580	——
8536	51 Serpentis ω 5	3	17 48,21	2,761	, 005	—,008	6	+14 25 7,95	,651	, 370	— ,14
8537	Normæ 6.7	2	18 18,75	4,111	, 025	——	2	—40 44 11,06	,610	, 551	——
8538	3 Ophiuchi υ 5	3	18 53,34	3,241	, 009	+,019	5	— 7 59 43,65	,565	, 435	— ,01
8539	Serpentis 7.8	4	19 16,15	3,002	, 007	+,008	4	+ 3 14 51,97	,535	, 404	,00
8540	21 Scorpii α 1	28	19 18,24	3,665	, 015	+,003	28	—26 3 30,26	,532	, 489	— ,09
8541	25 Herculis 5	4	19 31,40	2,133	, 002	+,003	6	+37 46 26,65	,516	, 287	— ,08
8542	19 Ophiuchi 7	3	19 54,30	3,236	, 009	,000	3	— 7 45 8,92	,485	, 436	— ,01
8543	Scorpii 8.9	7	19 58,82	3,630	, 015	+,014	4	—24 46 33,75	,478	, 486	— ,06
8544	22 ——— i 6	7	20 11,76	3,630	, 015	+,012	6	—24 44 38,81	,462	, 486	— ,01
8545	Normæ 7	3	20 26,50	3,888	, 019	—,008	4	—33 57 56,37	,442	, 522	— ,05
8546	Normæ α 5	5	20 37,06	3,900	, 020	—,001	5	—34 20 14,35	,429	, 524	— ,10
8547	——— 7	2	20 40,08	4,672	, 042	——	2	—52 50 9,58	,424	, 633	——
8548	Scorpii 7	3	21 15,94	3,668	, 015	+,001	3	—26 10 12,19	,377	, 491	— ,01
8549	73 Herculis 7	3	21 41,62	2,279	, 003	+,009	3	+33 4 15,48	,342	, 308	— ,02
8550	8 Ophiuchi φ 4.5	8	21 42,34	3,425	, 012	+,004	5	—16 14 46,18	,342	, 459	— ,11

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P.M.	No. Obs.	δ Jan. 1. 1835.	d α	d² δ	Annual P.M.
				h. m. s.	s.	s.	s		° ′ ″	″	″	″
8551	14 Draconis	η 3	3	16 21 46,18	+0,794	+,00019	+,022	5	+61 53 20,19	8,337	+,00108	+0,04
8552	Normæ	7.8	2	21 57,85	4,491	, 035	——	2	—49 24 39,40	,320	, 607	——
8553	——	7.8	1	22 19,27	4,704	, 042	——	1	—53 17 27,50	,293	, 639	——
8554	9 Ophiuchi	ω 5	3	22 21,75	3,541	, 013	,000	5	—21 6 23,41	,289	, 475	— ,08
8555	Normæ	μ 6	3	22 22,59	3,234	, 028	—,007	3	—43 41 12,56	,289	, 562	— ,15
8556	Normæ	7	4	22 23,42	4,474	, 034	——	4	—49 2 17,27	,286	, 604	——
8557	27 Ophiuchi	7	3	22 23,78	3,232	, 009	+,005	3	— 7 33 20,86	,286	, 437	— ,05
8558	21 Urs. Min.	η 5	1	22 24,41	—1,861	, 118	—,013	3	+76 7 48,82	,286	—,00251	+ ,02
8559	10 Ophiuchi	λ 4	3	22 35,92	+3,021	, 007	+,011	3	+ 2 21 2,28	,270	+,00411	— ,20
8560	Regulæ	8.9	4	23 0,98	3,931	, 020	—,007	4	—35 11 2,89	,237	, 531	+ ,15
8561	27 Herculis	β 2.3	8	23 7,84	2,582	, 003	+,006	13	+21 51 15,60	,227	, 348	— ,03
8562	30 ——	g 5	3	23 13,31	1,963	, 034	+,002	3	+42 14 55,11	,221	, 265	+ ,11
8563	30 Ophiuchi	7	3	23 14,26	3,412	, 012	—,002	3	—15 37 20,90	,219	, 459	— ,19
8564	Normæ	7	1	23 17,84	4,286	, 029	——	1	—44 53 12,96	,214	, 581	——
8565	——	6.7	1	23 26,57	4,572	, 037	——	1	—50 53 12,26	,203	, 620	——
8566	81 Herculis	7	3	24 3,93	2,860	, 006	+,006	4	+ 9 46 30,12	,153	, 388	— ,06
8567	Normæ	8.9	1	24 16,68	4,205	, 026	——	1	—42 51 36,59	,137	, 571	——
8568	57 ——	7	3	24 21,47	3,939	, 020	—,003	4	—35 22 14,72	,130	, 533	+ ,03
8569	28 Herculis	n 5.6	5	24 28,93	2,945	, 006	+,016	3	+ 5 52 42,95	,119	, 400	— ,08
8570	Ophiuchi	9	4	24 32,40	3,019	, 007	+,010	4	+ 2 26 43,37	,115	, 411	— ,13
8571	33 Ophiuchi	7	6	24 42,60	3,154	, 008	,000	6	— 3 54 15,36	,101	, 430	— ,05
8572	Normæ	ν¹ 7	3	24 48,42	4,192	, 025	+,026	3	—42 30 29,82	,094	, 569	— ,08
8573	29 Herculis	h 4.5	4	24 53,41	2,814	, 005	—,006	3	+11 50 52,63	,087	, 382	— ,02
8574	Aræ	7.9	2	25 14,01	5,022	, 049	——	2	—57 54 5,27	,059	, 687	——
8575	90 Herculis	7	3	25 19,57	2,249	, 003	+,007	4	+33 52 17,01	,053	, 305	— ,14
8576	Normæ	β 6	3	25 31,82	3,926	, 019	+,004	3	—34 54 27,38	,037	, 532	— ,11
8577	95 Herculis	7	3	25 34,42	1,645	, 009	—,001	3	+49 19 22,43	,033	, 224	— ,18
8578	23 Scorpii	τ 3.4	6	25 37,50	3,719	, 016	+,006	5	—27 51 58,16	,029	, 503	— ,10
8579	34 Ophiuchi	7	5	25 38,51	3,239	, 009	+,011	5	— 7 47 49,25	,027	, 440	— ,02
8580	Normæ	7.8	2	25 47,34	3,947	, 020	——	2	—35 34 10,93	,015	, 536	——
8581	Normæ	ν² 6.7	3	26 47,26	4,218	, 026	+,005	3	—43 3 17,31	7,935	, 574	— ,09
8582	98 Herculis	7	3	27 3,61	2,337	, 003	+,005	4	+30 50 59,06	,914	, 318	— ,08
8583	Normæ	7.8	5	27 27,76	4,751	, 041	——	4	—53 47 58,56	,881	, 653	——
8584	36 Ophiuchi	7	3	27 33,58	3,255	, 009	+,003	3	— 8 30 30,86	,873	, 443	+ ,02
8585	12 ——	5	5	27 41,90	3,113	, 007	+,038	3	— 1 57 59,30	,861	, 427	— ,44
8586	Normæ	7	2	27 46,16	4,411	, 031	——	2	—47 26 38,13	,856	, 603	——
8587	Herculis	8.9	4	27 46,77	2,572	, 004	+,005	4	+22 5 14,94	,854	, 350	+ ,09
8588	101 ——	7	3	27 56,31	2,094	, 002	+,015	3	+38 26 9,14	,842	, 286	— ,10
8589	Ophiuchi	8	1	28 0,06	3,199	, 008	—,002	3	— 5 57 5,71	,837	, 437	— ,09
8590	Normæ	7.8	2	28 1,11	4,599	, 036	——	2	—51 8 54,16	,836	, 628	——
8591	100 Herculis	7	3	28 2,67	2,684	, 004	+,003	3	+17 24 10,41	,833	, 366	— ,06
8592	——	7.8	3	28 2,85	2,684	, 004	+,001	3	+17 26 46,72	,833	, 366	— ,03
8593	Normæ	6.7	2	28 4,00	3,994	, 019	——	2	—36 52 36,08	,832	, 544	——
8594	13 Ophiuchi	ζ 3.4	8	28 4,91	3,293	, 009	+,009	6	—10 13 35,09	,830	, 448	— ,06
8595	15 Draconis	A 4.5	3	28 19,83	—0,159	, 042	—,037	4	+69 7 26,88	,810	—,00020	— ,08

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7696	Normæ	7	6	16 28 24,96	+4,459	+,00032	——	5	—48 25 16,90	7,804	+,00610	——
7697	——	8	2	28 34,92	4,596	, 036	——	2	—51 3 50,15	,780	, 629	——
7698	Herculis	8	4	28 46,04	2,675	, 004	+,004	4	+17 48 51,51	,776	, 364	—0,06
7699	35 ——	σ 4	3	28 47,12	1,980	, 004	+,005	9	+42 46 50,84	,775	, 263	— ,03
7700	33 ——	6	4	28 51,13	2,910	, 005	+,013	4	+ 7 26 54,81	,769	, 398	— ,06
7701	Normæ	7	3	28 54,03	4,413	, 030	——	3	—47 24 46,02	,765	, 605	——
7702	120 Scorpii	7.8	2	28 55,07	3,469	, 011	+,003	4	—17 52 53,54	,764	, 471	— ,03
7703	Normæ	6	9	29 0,97	4,462	, 031	——	5	—48 25 48,45	,756	, 611	——
7704	Herculis	7.8	2	29 10,68	2,595	, 004	+,019	3	+21 5 51,48	,746	, 355	— ,11
7705	Aræ	7	3	29 12,72	4,759	, 040	——	2	—53 50 36,12	,740	, 656	——
7706	Normæ	φ 7	1	29 12,89	4,506	, 032	——	1	—49 19 9,58	,740	, 616	——
7707	105 Herculis	7.8	2	29 24,94	2,745	, 005	+,009	4	+14 48 54,41	,723	, 375	— ,02
7708	——	7.8	2	29 48,11	2,716	, 004	+,008	3	+16 2 59,90	,692	, 372	— ,05
7709	Normæ	7.8	2	29 54,81	4,308	, 027	——	2	—45 2 4,91	,683	, 591	——
7710	106 Draconis	7	2	30 7,00	0,826	, 017	+,023	3	+61 10 14,30	,667	, 114	— ,02
7711	107 Herculis	7	3	30 11,89	2,762	, 005	,000	2	+14 1 36,02	,660	, 379	— ,12
7712	——	7	3	30 34,73	2,160	, 003	+,005	4	+36 22 47,94	,629	, 296	— ,01
7713	Ophiuchi	8.9	3	30 42,32	3,227	, 008	+,010	4	— 7 10 45,76	,620	, 443	+ ,02
7714	123 Scorpii	7	2	30 51,26	3,523	, 012	—,003	3	—20 4 41,67	,607	, 479	+ ,21
7715	Draconis	7.8	2	30 56,96	0,622	, 020	—,012	3	+63 11 59,60	,599	, 085	+ ,17
7716	Normæ	7	2	31 3,99	4,341	, 028	——	2	—45 44 41,12	,590	, 597	——
7717	Herculis	8	3	31 7,58	2,430	, 004	+,012	4	+27 22 48,55	,586	, 332	— ,05
7718	Tri. Aust.	α 2	3	31 16,89	6,250	, 088	——	3	—68 42 46,55	,572	, 850	——
7719	Normæ	7	1	31 27,77	3,996	, 019	——	1	—36 44 59,48	,557	, 547	——
7720	Aræ	Y 7	1	31 39,19	4,705	, 038	——	1	—52 49 50,62	,543	, 650	——
7721	Herculis	8.9	4	31 41,47	2,777	, 005	+,014	3	+13 22 15,77	,540	, 382	+ ,03
7722	128 Scorpii	7.8	3	31 44,70	3,467	, 011	+,006	3	—17 43 50,36	,534	, 473	— ,11
7723	24 ——	m 5	6	32 2,38	3,460	, 011	+,003	6	—17 24 56,63	,511	, 472	— ,05
7724	131 ——	6	3	32 12,02	3,512	, 012	—,008	3	—19 36 5,24	,498	, 479	— ,08
7725	107 Draconis	6	2	32 17,70	1,411	, 011	+,013	3	+53 14 3,67	,489	, 191	— ,10
7726	Aræ	6.7	1	32 19,38	5,070	, 047	——	1	—58 11 ——	,488	, 703	——
7727	108 Draconis	6	1	32 19,84	1,409	, 011	+,005	3	+53 15 30,32	,486	, 191	— ,09
7728	Scorpii	6	5	32 20,12	4,142	, 022	——	4	—40 47 47,25	,486	, 569	——
7729	Herculis	m^1 7.8	3	32 23,93	2,973	, 006	+,004	5	+ 4 32 8,99	,481	, 411	+ ,01
7730	——	m^2 7	3	32 27,61	2,972	, 006	+,010	2	+ 4 32 50,42	,476	, 411	— ,07
7731	Scorpii	6	3	32 28,29	4,142	, 022	——	3	—40 47 28,85	,476	, 569	——
7732	Serpentis	8.9	6	32 31,92	3,125	, 007	+,002	7	— 2 30 38,47	,471	, 432	— ,45
7733	Draconis	7	5	32 39,30	0,849	, 016	+,001	6	+60 48 16,25	,462	, 117	— ,03
7734	Serpentis	7.8	3	32 54,28	3,037	, 006	—,017	1	+ 1 34 18,77	,441	, 420	— ,04
7735	121 Herculis	6.7	2	33 10,89	2,791	, 005	+,004	3	+12 43 16,59	,418	, 385	— ,05
7736	Scorpii	D^2 6	2	33 17,93	4,133	, 021	—,002	3	—40 31 10,49	,408	, 568	+ ,08
7737	Aræ	6.7	4	33 18,80	5,062	, 046	——	4	—58 1 38,23	,407	, 703	——
7738	48 Ophiuchi	6.7	2	33 21,48	3,039	, 006	—,001	3	+ 1 30 9,73	,404	, 420	+ ,03
7739	122 Herculis	7	1	33 21,49	2,958	, 006	+,001	2	+ 5 11 49,26	,404	, 402	— ,02
7740	Scorpii	7	3	33 55,11	3,594	, 013	+,007	6	—22 48 34,38	,359	, 492	— ,06

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7741	Herculis	7	3	16 34 2,07	+1,630	+,00008	—,005	3	+49 11 29,28	7,349	+,00225	—0,06
7742	Normæ	7	2	34 2,29	4,369	, 027	——	2	—46 12 59,92	,349	, 602	——
7743	Herculis	V² 5.6	3	34 16,04	1,626	, 008	—,002	2	+49 15 14,02	,331	, 224	— ,10
7744	——	7.8	4	34 17,68	2,636	, 004	+,021	4	+19 14 34,13	,327	, 362	— ,11
7745	Scorpii	6.7	5	34 41,86	3,739	, 015	+,006	5	—28 11 43,09	,295	, 513	— ,12
7746	Herculis	X¹ 6.7	2	34 55,74	2,430	, 004	+,024	3	+27 14 22,85	,275	, 334	— ,08
7747	40 ——	ζ 3	21	35 4,06	2,295	, 004	—,024	22	+31 54 19,06	,265	, 316	+ ,25
7748	Scorpii	7	2	35 4,14	4,166	, 021	——	2	—41 17 58,70	,265	, 574	——
7749	Urs. Min.	7	6	35 4,61	—3,532	, 210	+,040	5	+79 18 36,28	,263	—,00471	+ ,26
7750	51 Ophiuchi	7	3	35 13,96	+3,597	, 013	+,005	7	—22 52 8,83	,251	+,00493	— ,07
7751	Scorpii	9	2	35 14,21	3,749	, 015	——	2	—28 31 39,66	,251	, 515	——
7752	Aræ	η 4	7	35 34,74	5,125	, 046	——	7	—58 44 8,81	,222	, 713	——
7753	Ophiuchi	8.9	4	35 42,40	2,977	, 006	+,017	3	+ 4 20 6,90	,213	, 414	,00
7754	Scorpii	7	2	35 44,61	4,089	, 020	——	2	—39 13 25,59	,208	, 563	——
7755	——	7	2	35 52,01	4,175	, 022	——	2	—41 30 3,15	,199	, 577	——
7756	Aræ	7	1	35 53,58	4,705	, 036	——	1	—52 38 5,68	,196	, 653	——
7757	Draconis	7	6	36 0,56	0,772	, 017	+,011	5	+61 29 49,55	,187	, 107	— ,05
7758	Normæ	7	2	36 5,00	4,348	, 027	——	2	—45 38 14,78	,181	, 602	——
7759	25 Scorpii	6	4	36 45,87	3,659	, 013	—,002	5	—25 13 13,98	,125	, 503	— ,12
7760	——	8	4	36 51,73	3,895	, 017	+,012	4	—33 23 27,86	,117	, 538	+ ,01
7761	133 Herculis	7	2	36 58,13	2,930	, 005	—,001	3	+ 6 24 39,84	,109	, 408	— ,20
7762	16 Ophiuchi	l 6	4	37 7,07	3,042	, 006	+,011	5	+ 1 19 47,78	,097	, 424	+ ,03
7763	Scorpii	7	1	37 9,57	3,999	, 018	——	1	—36 34 46,60	,093	, 553	——
7764	Nebules	7	4	37 11,64	2,135	, 003	+,007	4	+36 49 21,49	,090	, 295	— ,09
7765	44 Herculis	η 3	5	37 14,40	2,050	, 003	+,015	8	+39 14 24,02	,087	, 284	— ,13
7766	Draconis	7.8	7	37 20,41	1,182	, 012	+,013	5	+56 29 8,67	,078	, 162	— ,14
7767	138 Herculis	6.7	3	37 46,60	2,215	, 003	+,003	4	+34 20 50,41	,041	, 306	+ ,04
7768	70 Urs. Min.	7	3	37 51,25	—2,706	, 143	+,014	3	+77 46 11,86	,036	—,00362	+ ,27
7769	43 Herculis	ι 5	5	37 54,96	+2,875	, 005	+,013	3	+ 8 53 20,13	,031	+,00399	— ,10
7770	Normæ	7	1	38 1,84	4,550	, 031	——	1	—49 44 46,69	,021	, 629	——
7771	141 Scorpii	7.8	3	38 12,51	3,634	, 013	—,001	3	—24 13 25,23	,007	, 501	— ,05
7772	140 Herculis	7	2	38 31,37	2,386	, 004	+,001	3	+28 39 50,34	6,982	, 331	— ,02
7773	142 Scorpii	7	2	38 32,87	3,908	, 017	+,007	3	—33 42 54,73	,979	, 541	— ,12
7774	58 Ophiuchi	6	2	38 51,18	3,019	, 006	+,021	4	+ 2 22 6,98	,954	, 422	— ,04
7775	Draconis	7 8	3	39 17,00	0,647	, 018	+,016	2	+62 37 26,35	,918	, 089	+ ,20
7776	Scorpii	8	5	39 21,45	4,183	, 020	—,002	3	—41 32 6,66	,913	, 580	— ,24
7777	26 ——	ε 3	4	39 29,69	3,917	, 017	—,040	5	—33 59 8,41	,901	, 544	— ,30
7778	45 Herculis	θ 5.6	4	39 39,29	2,949	, 006	+,006	2	+ 5 32 55,13	,889	, 412	— ,10
7779	18 Ophiuchi	ν 6	1	39 42,24	3,639	, 013	—,008	1	—24 20 28,64	,885	, 503	+ ,11
7780	18 Draconis	g 5	2	39 47,01	0,377	, 022	—,003	6	+64 54 7,70	,877	, 059	— ,13
7781	Aræ	8	2	39 59,77	4,940	, 040	——	2	—56 5 1,85	,860	, 693	——
7782	Scorpii	ω¹ 6.7	5	40 4,53	4,154	, 020	—,003	3	—40 56 16,12	,855	, 576	— ,02
7783	——	μ¹ 3.4	5	40 42,61	4,045	, 018	+,005	6	—37 45 21,27	,801	, 561	— ,14
7784	20 Ophiuchi	r 5	7	40 42,79	3,304	, 009	+,013	5	—10 29 2,21	,801	, 459	— ,15
7785	Aræ	7.8	2	40 44,37	4,812	, 036	——	2	—54 9 4,01	,799	, 675	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7786	Scorpii 7	4	16 40 46,02	+4,187	+,00021	+,006	5	—41 33 53,13	6,792	+,00582	—0,15
7787	—— 6.7	2	40 51,51	4,232	,022	——	2	—42 42 5,65	,789	,589	——
7788	—— ω² 7	5	41 1,48	4,143	,019	+,014	5	—40 25 59,54	,777	,576	—,09
7789	—— μ² 4	5	41 10,70	4,046	,018	+,004	4	—37 43 39,04	,763	,562	—,10
7790	—— 9	7	41 14,51	4,182	,021	—,001	5	—41 29 51,18	,758	,582	—,04
7791	Aræ 8	2	41 25,08	4,922	,039	——	2	—55 45 45,01	,743	,691	——
7792	63 Ophiuchi 7	3	41 26,87	3,438	,010	—,001	2	—16 15 13,13	,740	,477	+,11
7793	Scorpii 7	2	41 28,80	4,031	,018	——	2	—37 18 36,87	,737	,560	——
7794	Aræ 7.8	1	41 46,66	5,243	,045	——	2	—59 52 43,86	,713	,733	——
7795	—— 6.7	1	41 58,73	4,543	,030	——	1	—49 25 37,13	,697	,631	——
7796	Scorpii 6	2	42 0,94	4,237	,022	——	2	—42 45 54,42	,695	,591	——
7797	Draconis 7	4	42 14,17	1,228	,011	+,012	2	+55 36 52,56	,676	,167	—,16
7798	47 Herculis k 5	5	42 18,81	2,904	,005	+,006	5	+ 7 32 18,14	,669	,406	—,08
7799	—— 7.8	2	42 19,78	2,883	,005	+,010	4	+ 8 27 40,88	,668	,403	—,06
7800	Scorpii ζ¹ 6	4	42 22,29	4,213	,021	—,012	6	—42 4 13,75	,665	,587	—,15
7801	Scorpii 8	4	42 24,06	4,195	,021	—,003	4	—41 42 38,28	,662	,585	—,03
7802	151 —— 6.7	8	42 28,37	4,188	,021	,000	5	—41 31 23,42	,658	,584	—,17
7803	150 —— 7	5	42 29,92	4,187	,021	+,004	13	—41 30 13,21	,655	,584	+,41
7804	150 —— 7	3	42 36,03	4,189	,021	—,008	5	—41 32 32,79	,646	,584	+,24
7805	150 —— 6.7	3	42 37,19	4,190	,021	+,006	8	—41 33 54,70	,645	,584	+,05
7806	Scorpii 8	1	42 46,53	4,189	,021	+,021	—	—41 32 ——	,630	,584	——
7807	152 —— 7	2	42 48,64	4,215	,021	—,007	3	—42 11 46,71	,628	,588	—,09
7808	151 Herculis 6.7	2	42 50,43	2,335	,004	+,001	2	+30 15 7,80	,626	,325	+,04
7809	Draconis 9	3	42 54,43	0,974	,013	+,015	4	+58 57 12,26	,621	,136	—,02
7810	Scorpii ζ² 5.6	3	42 59,49	4,208	,021	—,015	1	—42 4 13,20	,614	,587	—,40
7811	21 Ophiuchi 6	4	43 3,20	3,038	,005	+,010	3	+ 1 30 12,28	,609	,427	—,13
7812	Aræ 7.8	1	43 27,00	4,598	,030	——	1	—50 23 50,94	,576	,641	——
7813	Scorpii 7.8	2	43 27,68	4,201	,021	—,012	3	—41 48 42,39	,573	,587	+,05
7814	Draconis 7	5	43 28,83	1,219	,011	+,035	2	+55 42 16,96	,572	,167	—,20
7815	—— 7	1	43 30,20	4,141	,019	——	1	—40 14 45,82	,571	,577	——
7816	Scorpii 6.7	5	43 41,33	3,534	,011	+,003	2	—20 7 56,80	,556	,490	—,10
7817	—— 7.8	3	43 41,56	3,898	,015	+,020	3	—33 11 38,69	,555	,545	—,07
7818	—— 6	3	43 51,38	4,251	,022	——	3	—43 2 17,23	,542	,594	——
7819	—— 7	2	44 5,20	3,810	,014	+,009	3	—30 18 28,62	,523	,531	+,04
7820	50 Herculis s 5	5	44 12,80	2,338	,004	+,012	5	+30 5 33,49	,513	,327	—,07
7821	155 Scorpii 7	2	44 18,26	4,104	,018	—,009	3	—39 13 36,67	,505	,573	+,02
7822	52 Herculis 5	3	44 24,22	1,749	,006	+,002	5	+46 16 26,01	,497	,243	—,13
7823	49 —— 6	4	44 34,53	2,726	,004	+,010	3	+15 15 24,23	,481	,382	—,07
7824	Scorpii 6.7	2	44 48,87	4,148	,018	——	2	—40 23 8,28	,462	,579	——
7825	22 Ophiuchi 6 7	2	44 53,05	3,614	,012	+,004	3	—23 14 3,54	,456	,503	—,16
7826	51 Herculis X² 6	3	44 55,06	2,483	,004	+,007	4	+24 56 21,39	,454	,346	—,09
7827	Aræ ζ 3.4	4	45 0,04	4,928	,037	——	7	—55 43 5,89	,447	,696	——
7828	Draconis 7.8	4	45 3,00	1,216	,011	+,021	3	+55 40 45,28	,444	,167	—,18
7829	115 —— 7	2	45 3,65	1,061	,013	+,009	3	+57 46 42,76	,443	,148	—,02
7830	Scorpii 7	3	45 8,07	4,154	,019	+,008	4	—40 33 0,55	,436	,580	—,10

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
7831	Scorpii	7.8	2	16 45 12,00	+3,901	+,00015	+,002	4	—33 13 55,34	6,431	+,00546	+0,08
7832	———	7	3	45 29,08	4,136	, 019	——	3	—40 14 25,69	,406	, 579	——
7833	Aræ	7	2	45 33,86	5,186	, 042	——	2	—59 3 29,63	,400	, 729	——
7834	———	6	1	45 35,47	4,601	, 029	——	1	—50 22 13,70	,398	, 643	——
7835	Serpentis	7.8	3	45 45,45	3,157	, 007	+,011	4	— 3 53 18,85	,384	, 444	— ,08
7836	23 Ophiuchi	q 5	3	45 46,92	3,202	, 008	+,005	5	— 5 52 38,42	,381	, 450	— ,10
7837	117 Draconis	7	3	45 53,09	0,492	, 020	—,018	3	+63 49 3,80	,373	, 068	,00
7838	25 Ophiuchi	ι 4	7	46 12,31	2,837	, 004	+,002	10	+10 26 33,61	,348	, 399	— ,19
7839	77 ———	7	2	46 16,72	3,213	, 008	—,006	4	— 6 22 36,53	,340	, 451	— ,12
7840	Scorpii	q 6.7	3	46 26,67	3,895	, 015	+,001	3	—32 59 21,06	,327	, 546	— ,01
7841	Aræ	ε 4.5	2	46 27,99	4,749	, 033	——	4	—52 53 50,70	,326	, 669	——
7842	Ophiuchi	6	3	46 30,96	3,448	, 010	+,018	3	—16 32 9,68	,321	, 482	+ ,09
7843	Aræ	7.8	1	46 32,77	4,093	, 017	——	1	—38 50 52,77	,318	, 572	——
7844	———	7	1	46 38,12	4,512	, 027	——	1	—48 36 36,03	,311	, 631	——
7845	53 Herculis	5	7	46 42,78	2,278	, 004	+,001	5	+31 58 43,72	,305	, 318	— ,05
7846	24 Ophiuchi	6.7	3	46 51,61	3,607	, 011	+,008	4	—22 52 52,00	,292	, 504	— ,11
7847	———	8	4	46 59,64	3,201	, 007	+,019	4	— 5 51 0,73	,281	, 451	— ,04
7848	Draconis	8	4	47 15,46	1,499	, 009	+,004	4	+51 3 0,82	,260	, 209	+ ,01
7849	Aræ	7	4	47 21,55	4,976	, 038	——	4	—56 17 37,35	,250	, 704	——
7850	Scorpii	6.7	2	47 22,73	3,515	, 010	+,004	3	—19 16 17,41	,249	, 491	— ,08
7851	Aræ	7.8	1	47 36,45	5,169	, 040	——	1	—58 47 20,72	,231	, 729	——
7852	Herculis	S² 7	3	47 40,45	2,756	, 004	+,017	3	+13 53 31,64	,225	, 387	— ,13
7853	Scorpii	8	1	47 43,54	4,041	, 016	+,024	4	—37 21 15,77	,220	, 567	— ,04
7854	54 Herculis	5.6	2	48 7,20	2,641	, 004	—,003	3	+18 42 9,62	,189	, 371	— ,04
7855	177 ———	6	3	48 16,53	2,451	, 004	—,009	3	+26 0 3,66	,174	, 344	— ,11
7856	Draconis	7.8	2	48 19,55	1,281	, 011	+,007	4	+54 36 19,21	,170	, 175	— ,14
7857	Aræ	8.9	2	48 42,14	4,988	, 038	——	2	—56 25 10,85	,140	, 707	——
7858	Scorpii	7.8	2	49 15,75	4,055	, 016	——	2	—37 40 43,40	,093	, 571	——
7859	Ophiuchi	m 7	3	49 17,12	2,926	, 005	+,006	3	+ 6 28 31,36	,091	, 414	— ,05
7860	———	7.8	3	49 18,95	3,403	, 009	+,001	4	—14 36 25,19	,089	, 478	— ,01
7861	Ophiuchi	9	3	49 32,29	3,426	, 009	+,014	4	—15 32 58,04	,070	, 482	— ,18
7862	Herculis	7	2	49 35,18	1,713	, 006	+,017	3	+46 48 31,96	,066	, 239	— ,10
7863	27 Ophiuchi	κ 4	11	49 51,82	2,855	, 005	—,015	18	+ 9 38 14,53	,043	, 403	— ,08
7864	———	6	6	49 52,33	3,661	, 011	+,013	7	—24 50 1,69	,043	, 515	— ,11
7865	90 ———	7	5	49 56,15	3,432	, 009	+,021	1	—15 48 19,87	,037	, 483	— ,15
7866	Aræ	6	1	49 59,54	4,762	, 031	——	1	—52 58 48,10	,032	, 674	——
7867	26 Ophiuchi	κ 6	2	50 3,86	3,658	, 011	+,018	4	—24 43 48,38	,027	, 514	— ,10
7868	———	7	6	50 8,60	3,485	, 010	+,016	6	—17 59 2,95	,020	, 489	— ,15
7869	———	9	3	50 38,72	3,485	, 010	+,006	2	—17 57 30,30	5,977	, 489	— ,07
7870	Draconis	8	2	50 44,29	0,274	, 021	+,032	4	+65 28 26,69	,970	, 031	— ,19
7871	186 Herculis	6.7	3	50 44,72	2,459	, 004	+,007	2	+25 36 43,76	,968	, 346	— ,12
7872	Aræ	7	1	50 49,73	4,493	, 025	——	1	—48 5 18,30	,961	, 632	——
7873	185 Herculis	6.7	3	50 51,38	2,485	, 004	+,005	3	+24 38 32,37	,960	, 350	— ,03
7874	Scorpii	7	2	50 51,28	4,330	, 022	——	3	—44 36 11,56	,960	, 612	——
7875	Serpentis	6.7	2	51 7,28	3,160	, 006	+,006	3	— 3 58 8,33	,939	, 448	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7876	Scorpii ρ 6	3	16 51 13,17	+3,866	+,00014	+,002	3	—31 53 22,97	·5,930	+,00546	—0,09
7877	——— 9	3	51 47,43	3,870	, 014	+,001	4	—32 0 27,10	,882	, 547	— ,04
7878	——— 7	2	51 50,30	4,051	, 016	——	2	—37 28 17,20	,878	, 572	——
7879	Ophiuchi 7	5	51 52,82	3,373	, 008	—,014	5	—13 18 4,65	,873	, 476	— ,42
7880	Draconis 7	1	51 53,30	1,531	, 008	+,015	3	+50 18 2,90	,873	, 215	— ,01
7881	Ophiuchi 7.8	5	52 2,03	2,819	, 004	+,011	6	+11 10 6,08	,861	, 399	— ,09
7882	Scorpii 7.8	2	52 3,30	4,302	, 020	——	2	—43 54 11,14	,860	, 609	——
7883	29 Ophiuchi s 6	5	52 12,50	3,502	, 010	—,007	3	—18 38 6,50	,846	, 493	— ,07
7884	30 ——— p 6	2	52 21,82	3,160	, 006	—,008	3	— 3 58 7,56	,834	, 449	— ,22
7885	Herculis 7	7	52 29,40	2,820	, 004	+,010	3	+11 4 45,33	,823	, 399	— ,03
7886	101 Ophiuchi 7.8	3	52 43,34	3,216	, 007	+,006	3	— 6 29 15,25	,805	, 456	— ,12
7887	Scorpii 6	2	52 45,30	4,057	, 016	——	2	—37 36 1,14	,802	, 573	——
7888	Aræ 8.9	2	52 48,78	4,431	, 023	——	2	—46 43 41,47	,797	, 626	——
7889	——— 8	1	53 2,17	5,239	, 039	——	1	—59 25 44,11	,778	, 741	——
7890	Normæ 6.7	1	53 3,60	4,364	, 021	——	1	—45 15 31,94	,776	, 617	——
7891	28 Ophiuchi 7	3	53 52,18	3,681	, 011	—,013	5	—25 27 16,16	,709	, 520	— ,02
7892	Scorpii 6	2	53 55,78	4,303	, 020	——	2	—43 52 3,62	,702	, 610	——
7893	Herculis 9	3	53 56,10	1,635	, 007	+,005	4	+48 14 58,55	,702	, 230	+ ,02
7894	58 ——— ι 3	11	53 58,80	2,296	, 004	+,008	11	+31 10 25,22	,698	, 324	— ,05
7895	Scorpii k 5	5	53 58,91	3,932	, 014	,000	5	—33 52 57,50	,698	, 556	— ,05
7896	104 Ophiuchi 6.7	2	54 3,71	2,875	, 005	+,009	4	+ 8 41 43,95	,692	, 407	— ,11
7897	196 Herculis 6.7	2	54 31,99	2,405	, 004	—,008	3	+27 26 43,16	,652	, 339	— ,10
7898	103 Ophiuchi 7	7	54 35,15	3,680	, 011	,000	4	—25 24 6,54	,648	, 521	— ,09
7899	Scorpii 7	1	54 37,92	4,020	, 015	——	1	—36 29 11,42	,643	, 569	——
7900	120 Draconis 6.7	1	54 42,10	0,593	, 017	+,015	3	+62 37 28,31	,638	, 083	,00
7901	Scorpii 7	2	54 48,73	4,015	, 015	——	2	—36 21 7,96	,629	, 569	——
7902	——— 9	5	54 55,72	3,470	, 009	+,015	4	—17 14 52,24	,618	, 490	— ,09
7903	——— 7	3	55 0,46	3,545	, 010	+,039	3	—20 15 19,87	,613	, 500	— ,16
7904	Aræ 7.8	3	55 5,90	4,431	, 022	——	2	—46 39 22,11	,605	, 628	——
7905	19 Draconis h 5	5	55 8,00	0,269	, 021	+,035	5	+65 23 13,64	,601	, 038	— ,03
7906	Aræ 7	1	55 24,82	4,422	, 022	——	1	—46 26 51,44	,578	, 627	——
7907	Ophiuchi 6	4	55 25,40	3,317	, 008	+,005	3	—10 50 59,55	,578	, 472	— ,10
7908	Scorpii 7	5	55 26,18	4,321	, 019	——	5	—44 12 36,40	,576	, 613	——
7909	59 Herculis d 5	1	55 30,77	2,210	, 004	+,007	7	+33 48 41,09	,570	, 312	— ,20
7910	32 Ophiuchi 5.6	7	55 34,55	2,743	, 004	+,011	6	+14 20 7,12	,564	, 389	— ,17
7911	122 Draconis 7	3	55 36,93	0,280	, 021	+,004	3	+65 17 28,46	,562	, 040	+ ,02
7912	Ophiuchi 7	2	55 52,26	3,707	, 011	—,004	2	—26 20 48,22	,541	, 525	— ,06
7913	Scorpii 7.8	1	56 3,58	4,259	, 018	——	1	—42 44 45,68	,524	, 604	——
7914	117 Ophiuchi 6	3	56 4,47	2,754	, 004	+,004	8	+13 50 42,40	,524	, 390	— ,20
7915	Draconis R 6.7	4	56 19,99	1,096	, 012	+,010	4	+56 56 0,40	,501	, 151	+ ,38
7916	28 Scorpii 6	3	56 21,24	3,573	, 010	—,004	3	—21 19 39,88	,500	, 505	— ,07
7917	34 Ophiuchi 6	2	56 22,99	2,754	, 004	+,010	2	+13 50 41,36	,496	, 390	— ,20
7918	118 ——— 7	2	56 40,19	3,706	, 011	—,002	3	—26 16 53,81	,473	, 525	— ,10
7919	Herculis 7	4	56 42,61	2,604	, 004	+,005	4	+19 55 37,17	,469	, 369	— ,04
7920	Scorpii 7.8	2	56 45,57	4,181	, 017	——	2	—40 47 46,33	,465	, 593	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
7921	Ophiuchi 6	5	16 57 2,51	+3,086	+,00005	+,010	6	— 0 39 31,77	5,441	+,00443	—0,07
7922	——— 8	4	57 8,68	3,349	, 008	+,005	4	—12 10 52,58	,432	, 476	— ,06
7923	Draconis 7.8	2	57 11,23	0,954	, 012	+,016	3	+58 42 21,69	,429	, 135	+ ,06
7924	206 Herculis 6.7	2	57 30,77	2,607	, 004	+,015	3	+19 49 59,40	,402	, 370	,00
7925	——— c 6.7	2	57 35,14	2,147	, 003	+,017	3	+35 39 4,78	,396	, 304	— ,10
7926	Aræ 7.8	2	57 37,64	4,443	, 022	———	2	—46 48 28,72	,391	, 632	———
7927	60 Herculis 5	4	57 43,61	2,774	, 004	,000	5	+12 58 23,75	,383	, 395	— ,07
7928	Aræ 7.8	5	58 7,48	4,431	, 022	———	4	—46 30 59,26	,352	, 630	———
7929	Draconis 7.8	1	58 18,20	1,241	, 011	+,025	2	+54 50 0,36	,336	, 172	— ,08
7930	Ophiuchi i 7	2	58 25,43	2,828	, 004	,000	3	+10 40 58,38	,326	, 403	— ,03
7931	Ophiuchi 6.7	6	58 40,56	3,475	, 009	+,007	4	—17 23 5,46	,302	, 493	— ,24
7932	Aræ 7	2	58 44,24	5,166	, 034	———	2	—58 22 37,26	,298	, 738	———
7933	Scorpii l 6	5	58 45,65	4,331	, 020	—,013	5	—44 20 7,09	,296	, 617	— ,20
7934	Draconis 7	1	58 54,98	0,941	, 012	—,015	3	+58 47 40,75	,283	, 134	— ,04
7935	Aræ 7.8	1	59 1,02	4,793	, 028	———	1	—53 9 36,33	,275	, 685	———
7936	Aræ 7.8	1	59 9,03	4,406	, 020	———	1	—45 57 52,58	,263	, 628	———
7937	Ophiuchi 7.8	3	59 13,73	3,341	, 007	+,002	3	—11 48 37,89	,256	, 477	— ,11
7938	——— 9	1	59 30,44	3,474	, 008	+,012	3	—17 20 50,89	,234	, 494	,00
7939	Aræ 9	1	59 32,97	4,890	, 030	———	1	—54 38 13,80	,229	, 701	———
7940	Ophiuchi 6	5	59 43,19	3,090	, 005	+,008	3	— 0 51 19,34	,215	, 445	— ,10
7941	Aræ 7.8	1	17 0 0,84	5,029	, 032	———	1	—56 35 24,88	,190	, 721	———
7942	213 Herculis 6.7	3	0 3,58	1,822	, 005	+,010	3	+44 2 23,81	,186	, 259	— ,05
7943	Aræ 6.7	1	0 19,24	5,037	, 032	———	1	—56 40 42,32	,165	, 722	———
7944	Scorpii η 4	5	0 20,35	4,277	, 018	—,015	5	—43 0 43,11	,163	, 610	— ,33
7945	Herculis 6	5	0 27,45	1,583	, 007	+,020	3	+49 2 4,42	,153	, 225	— ,18
7946	132 Ophiuchi 7	3	0 32,65	3,521	, 009	—,001	3	—19 13 10,39	,145	, 500	— ,07
7947	Scorpii 6.7	2	0 53,10	4,129	, 015	———	2	—39 17 29,17	,116	, 588	———
7948	35 Ophiuchi η 2.3	17	0 55,48	3,430	, 008	+,011	5	—15 30 48,27	,114	, 489	— ,01
7949	Herculis 8	4	1 10,72	2,402	, 004	+,016	5	+27 21 26,16	,091	, 341	,00
7950	Aræ 7.8	1	1 13,88	4,463	, 021	———	1	—47 6 32,24	,087	, 637	———
7951	135 Ophiuchi 7	3	1 17,20	3,553	, 009	+,004	2	—20 26 2,53	,083	, 505	— ,11
7952	Herculis 8	5	1 22,14	2,403	, 004	+,003	7	+27 19 13,99	,077	, 341	— ,03
7953	——— 9	4	1 22,76	3,716	, 011	+,010	4	—26 29 17,96	,074	, 530	— ,06
7954	216 ——— 7	2	1 44,46	2,476	, 004	+,003	1	+24 42 23,69	,044	, 352	— ,10
7955	21 Draconis μ 4	3	1 55,34	1,244	, 010	—,003	8	+54 41 23,53	,029	, 174	+ ,04
7956	Ophiuchi 8	6	1 55,72	3,726	, 011	+,001	8	—26 49 39,67	,027	, 531	— ,10
7957	Herculis 5	3	2 10,95	2,125	, 003	—,008	4	+36 9 12,68	,006	, 303	— ,09
7958	Ophiuchi 8	1	2 20,58	3,726	, 011	—,007	1	—26 48 36,83	4,993	, 531	— ,02
7959	22 Urs. Min. ε 4	3	3 7,54	—6,511	, 291	+,051	7	+82 17 46,12	,926	—,01000	— ,08
7960	141 Ophiuchi 7	3	3 14,29	+2,960	, 005	+,009	3	+ 4 54 0,79	,917	+,00426	— ,01
7961	Herculis 7	2	3 16,97	2,420	, 004	—,001	3	+26 40 0,32	,913	, 344	— ,05
7962	Ophiuchi 8	4	3 48,34	2,886	, 005	+,022	4	+ 8 6 7,41	,869	, 415	— ,05
7963	29 Scorpii 6.7	6	3 58,58	3,726	, 010	+,007	5	—26 46 43,21	,853	, 532	— ,13
7964	Herculis 7	3	4 13,64	2,481	, 004	+,026	4	+24 26 41,32	,832	, 353	— ,02
7965	Draconis 6	4	4 14,51	1,465	, 008	+,009	4	+51 3 15,68	,831	, 208	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
7966	Scorpii 6.7	2	17 4 20,45	+4,099	+,00013	——	2	—38 22 37,53	4,824	+,00585	——
7967	Herculis 8	4	4 27,37	2,481	, 004	+,020	3	+24 27 28,98	,814	, 353	—0,07
7968	227 —— 7.8	2	4 28,43	2,730	, 004	—,008	2	+14 41 37,80	,813	, 391	— ,04
7969	180 Scorpii 7	3	4 29,85	3,925	, 012	+,001	3	—33 20 55,24	,810	, 561	— ,04
7970	Draconis 7	1	4 30,39	0,954	, 011	+,019	3	+58 29 10,27	,810	, 135	— ,10
7971	Draconis 7	5	4 37,76	1,148	, 010	+,002	4	+55 58 46,41	,797	, 160	— ,04
7972	37 Ophiuchi 5	6	4 41,32	2,824	, 004	+,004	5	+10 47 27,97	,793	, 404	— ,10
7973	Scorpii 8	3	5 0,61	3,932	, 012	+,011	4	—33 32 21,71	,766	, 562	,00
7974	Ophiuchi 9	3	5 1,54	3,755	, 010	+,012	4	—27 46 14,08	,764	, 537	— ,15
7975	—— V² 7	2	5 2,08	2,890	, 004	+,011	3	+ 7 57 2,62	,764	, 415	+ ,04
7976	Ophiuchi 7.8	1	5 4,23	3,564	, 009	+,004	3	—20 46 11,03	,762	, 509	— ,06
7977	Scorpii 6.7	1	5 5,72	4,351	, 018	——	1	—44 35 0,65	,759	, 623	——
7978	36 Ophiuchi A 4.5	7	5 12,62	3,714	, 010	—,042	5	—26 21 10,57	,749	, 532	—1,27
7979	30 Scorpii 7	5	6 4,97	3,714	, 010	—,044	7	—26 18 2,54	,675	, 532	—1,22
7980	129 Draconis 7	9	6 12,59	0,689	, 014	+,011	2	+61 21 58,67	,664	, 098	+0,02
7981	Herculis 7.8	5	6 17,44	2,728	, 003	+,007	1	+14 46 29,60	,658	, 392	— ,03
7982	Scorpii u 5.6	3	6 20,16	3,899	, 012	—,004	3	—32 27 58,43	,654	, 558	+ ,08
7983	Herculis 9	4	6 44,21	2,734	, 003	—,001	4	+14 29 51,92	,619	, 392	— ,04
7984	—— 8	3	6 49,63	2,728	, 003	+,020	4	+14 44 56,62	,611	, 392	— ,06
7985	64 —— α 3.4	52	7 7,66	2,732	, 003	—,007	9	+14 35 4,21	,585	, 392	— ,02
7986	31 Scorpii 6.7	3	7 24,98	3,718	, 010	+,003	3	—26 26 18,70	,562	, 533	— ,10
7987	—— 6.7	3	7 36,43	3,896	, 011	+,012	—	—32 21 ——	,546	, 558	——
7988	39 Ophiuchi 7	4	7 57,52	3,654	, 009	+,005	2	—24 5 49,38	,515	, 524	— ,21
7989	39 —— o 5.6	4	7 57,67	3,654	, 009	+,006	6	—24 6 3,19	,515	, 524	— ,27
7990	—— 6	2	8 3,12	3,648	, 009	+,022	4	—23 53 1,79	,508	, 524	— ,26
7991	41 Ophiuchi o 4.5	3	8 8,91	3,077	, 005	+,004	5	— 0 15 3,33	,499	, 445	+ ,08
7992	Draconis 7	3	8 9,96	1,075	, 010	+,016	3	+56 51 45,68	,498	, 151	— ,09
7993	65 Herculis δ 4	6	8 15,63	2,462	, 003	+,020	8	+25 2 19,44	,490	, 352	— ,25
7994	22 Draconis ζ 3	4	8 19,57	0,155	, 019	+,010	7	+65 55 4,55	,483	, 022	— ,01
7995	Aræ 6.7	1	8 43,38	5,144	, 028	——	1	—57 50 0,49	,450	, 741	——
7996	Herculis 7	2	8 49,72	2,492	, 003	,000	5	+23 55 55,34	,440	, 357	— ,04
7997	Aræ 6.7	2	9 14,25	5,031	, 026	——	2	—56 21 4,31	,406	, 727	——
7998	67 Herculis π 3.4	5	9 18,25	2,088	, 003	+,005	5	+36 59 56,49	,401	, 301	— ,06
7999	Aræ 7	3	9 27,75	5,377	, 031	——	3	—60 30 2,47	,387	, 766	——
8000	244 Herculis 7	2	9 40,35	2,161	, 003	—,014	3	+34 53 46,96	,370	, 310	— ,08
8001	163 Ophiuchi 7	2	9 50,54	2,995	, 005	+,011	4	+ 3 19 42,42	,354	, 433	+ ,01
8002	—— 8	6	10 14,74	3,131	, 005	—,001	4	— 2 37 34,83	,320	, 453	— ,11
8003	—— 7.8	4	10 16,42	3,718	, 009	+,004	4	—26 22 18,30	,319	, 535	— ,05
8004	—— 6.7	4	10 17,56	3,485	, 008	+,007	3	—17 34 33,51	,316	, 500	— ,03
8005	—— 8	4	10 44,34	3,130	, 005	+,002	3	— 2 34 9,76	,278	, 453	— ,04
8006	Ophiuchi k 6.7	3	10 49,13	2,927	, 005	+,009	4	+ 6 15 54,04	,272	, 423	— ,09
8007	66 Herculis ω 6	5	10 51,82	2,816	, 004	+,009	6	+11 2 57,14	,268	, 406	— ,19
8008	Aræ 6	2	10 53,62	4,487	, 018	——	2	—47 17 49,68	,264	, 646	——
8009	Draconis 7.8	2	11 2,45	1,110	, 009	—,002	3	+56 19 17,57	,253	, 155	— ,06
8010	40 Ophiuchi ρ 4.5	7	11 7,18	3,571	, 008	+,024	5	—20 55 41,14	,247	, 513	—, 24

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″	″	″
8011	131 Draconis 5.6	2	17 11 7,60	+0,499	+,00015	+,007	2	+63 3 49,03	4,244	+,00073	+0,03
8012	Ophiuchi 8	3	11 11,76	3,718	, 009	+,005	3	—26 19 33,49	,239	, 535	— ,04
8013	68 Herculis u 4	3	11 13,99	2,213	, 003	—,003	5	+33 16 56,50	,236	, 317	— ,04
8014	Scorpii 7	3	11 24,73	4,079	, 012	——	3	—37 38 0,34	,220	, 586	——
8015	Aræ γ 3	2	11 31,92	5,025	, 026	——	4	—56 12 41,08	,210	, 727	——
8016	53 Serpentis γ 4.5	4	11 33,18	3,365	, 007	+,003	4	—12 40 20,64	,209	, 484	— ,09
8017	188 Scorpii 6.7	4	11 34,93	3,673	, 009	+,002	4	—24 43 54,44	,205	, 529	— ,09
8018	Aræ β 3	2	11 36,33	4,964	, 025	——	2	—55 21 46,90	,204	, 719	——
8019	Serpentis 8	4	11 43,53	3,371	, 007	+,001	4	—12 54 33,93	,192	, 485	— ,18
8020	42 Ophiuchi θ 3.4	5	11 53,15	3,676	, 009	+,008	4	—24 49 38,80	,179	, 529	— ,15
8021	69 Herculis e 4.5	3	11 59,00	2,068	, 003	+,006	5	+37 28 7,40	,171	, 299	— ,07
8022	Ophiuchi 9	4	12 5,59	3,637	, 009	+,002	2	—23 24 10,53	,162	, 524	— ,16
8023	Scorpii x 6	3	12 16,29	4,334	, 016	+,008	2	—43 59 42,16	,158	, 624	— ,22
8024	252 Herculis 6.7	2	12 19,98	2,346	, 003	,000	3	+29 0 0,34	,142	, 337	— ,08
8025	254 ——— 7.8	2	12 36,31	2,539	, 003	+,002	2	+22 7 4,86	,119	, 365	— ,04
8026	Herculis 7	2	12 37,11	1,519	, 007	+,026	4	+49 52 13,48	,118	, 219	— ,12
8027	Scorpii 7	1	12 40,45	4,373	, 016	——	1	—44 50 40,29	,113	, 630	——
8028	Draconis 9	2	12 43,78	1,111	, 009	+,014	2	+56 15 39,65	,107	, 156	— ,13
8029	Ophiuchi 8	1	12 49,26	2,849	, 004	+,026	2	+ 9 35 39,44	,101	, 411	— ,09
8030	43 ——— 6	4	12 59,11	3,766	, 009	+,005	4	—27 58 28,36	,086	, 542	— ,11
8031	Ophiuchi 7.8	1	12 59,60	3,485	, 008	+,007	3	—17 32 5,83	,085	, 501	— ,06
8032	——— 9	3	13 2,69	3,680	, 008	+,033	2	—24 55 49,74	,081	, 530	— ,05
8033	256 Herculis 6	2	13 2,85	2,640	, 003	+,014	2	+18 13 56,42	,081	, 381	— ,07
8034	——— 7	2	13 26,44	2,440	, 003	+,017	4	+25 42 37,05	,047	, 351	— ,09
8035	Scorpii 8.9	3	13 33,20	3,529	, 008	+,013	3	—19 16 58,47	,038	, 508	— ,06
8036	Aræ 7	1	13 52,73	4,735	, 020	——	1	—51 47 26,39	,008	, 685	——
8037	Ophiuchi 8	3	14 1,12	3,646	, 008	+,008	2	—23 40 48,69	3,998	, 525	— ,10
8038	——— 8	2	14 1,33	2,842	, 004	+,018	3	+ 9 54 15,36	,998	, 410	— ,04
8039	70 Herculis a 5.6	2	14 6,38	2,469	, 003	+,003	5	+24 40 9,88	,991	, 355	+ ,01
8040	Draconis 7.8	1	14 13,69	1,183	, 009	—,003	2	+55 14 0,60	,979	, 167	— ,11
8041	Aræ 7	1	14 21,89	4,659	, 018	——	1	—50 28 22,82	,969	, 672	——
8042	Herculis ω 6	3	14 29,30	2,230	, 003	+,016	3	+32 41 6,26	,957	, 321	—1,05
8043	Aræ 7.8	1	14 34,67	5,242	, 026	——	1	—58 52 44,87	,948	, 756	——
8044	Ophiuchi 7	3	14 39,86	2,831	, 004	+,004	3	+10 21 37,88	,941	, 409	— ,12
8045	48 Aræ 6	3	14 41,88	4,414	, 015	+,009	3	—45 41 8,60	,938	, 637	— ,16
8046	Aræ 7	1	14 43,26	4,476	, 016	——	1	—46 58 49,23	,937	, 646	——
8047	Scorpii 6	3	14 50,37	3,582	, 007	+,006	4	—21 16 46,97	,927	, 516	— ,04
8048	Ophiuchi 8.9	1	14 55,83	3,284	, 006	+,006	4	— 9 11 43,68	,918	, 474	—,09
8049	33 Scorpii 7	7	15 1,55	3,657	, 008	+,003	4	—24 5 3,26	,910	, 527	+ ,01
8050	270 Herculis 6.7	2	15 41,51	1,693	, 005	—,002	3	+46 24 20,80	,852	, 243	— ,01
8051	Scorpii 8	4	15 46,13	3,752	, 009	+,026	4	—27 26 30,00	,847	, 541	— ,02
8052	Ophiuchi 8	2	16 3,07	2,755	, 003	+,014	4	+13 33 33,33	,823	, 398	— ,15
8053	——— 7	2	16 4,73	2,863	, 004	+,009	3	+ 9 0 43,74	,820	, 414	— ,10
8054	Aræ δ 4	7	16 13,84	5,395	, 028	——	8	—60 32 2,42	,807	, 774	——
8055	44 Ophiuchi l 5.6	2	16 17,94	3,656	, 008	,000	5	—24 0 56,29	,802	, 527	— ,22

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8056	Herculis 7	3	17 16 33,60	+1,696	+,00005	—,014	3	+46 18 49,28	3,779	+,00244	—0,04
8057	45 Ophiuchi d 5	6	16 49,60	3,821	, 009	+,001	5	—29 42 33,34	,755	, 551	— ,15
8058	Herculis 8.9	2	16 49,82	2,538	, 002	+,006	2	+22 4 34,84	,755	, 366	— ,06
8059	Ophiuchi 7	5	16 50,17	3,584	, 007	+,005	1	—21 18 55,11	,755	, 518	— ,01
8060	—— 9	2	16 52,07	3,582	, 007	+,031	3	—21 15 39,42	,753	, 518	— ,05
8061	Draconis 8	3	17 0,77	1,116	, 008	+,008	2	+56 5 58,34	,740	, 157	,00
8062	Scorpii 7	2	17 4,59	4,332	, 015	——	2	—43 49 32,37	,734	, 626	——
8063	Ophiuchi 6.7	5	17 6,93	3,816	, 009	+,010	5	—29 34 22,53	,731	, 550	— ,07
8064	—— 7.8	3	17 7,60	2,700	, 002	,000	3	+15 45 42,41	,729	, 390	— ,07
8065	200 —— 7	2	17 8,08	2,683	, 002	+,005	2	+16 27 32,30	,729	, 387	— ,05
8066	73 Herculis 6	7	17 12,61	2,510	, 002	+,015	5	+23 7 7,31	,723	, 362	— ,12
8067	Ophiuchi 7.8	2	17 15,79	2,991	, 004	+,016	2	+ 3 27 54,80	,719	, 434	+ ,15
8068	—— 6.7	2	17 19,34	3,423	, 006	—,001	2	—14 58 38,09	,715	, 494	— ,02
8069	47 —— 6	5	17 46,87	3,359	, 006	+,003	3	—12 21 33,77	,673	, 485	— ,14
8070	Scorpii 6.7	2	17 46,90	4,049	, 011	——	2	—36 37 53,41	,673	, 584	——
8071	Ophiuchi 5.6	3	17 52,92	3,184	, 004	+,004	3	— 4 56 1,80	,665	, 462	— ,10
8072	—— 8.9	3	17 59,21	2,701	, 002	+,013	3	+15 42 7,30	,656	, 390	— ,07
8073	75 Herculis ρ 4	10	17 59,59	2,069	, 002	+,009	6	+37 18 6,37	,655	, 300	— ,15
8074	Ophiuchi	2	18 18,35	2,681	, 002	+,014	3	+16 32 2,59	,630	, 388	— ,04
8075	49 —— σ 4.5	5	18 19,84	2,973	, 004	+,025	7	+ 4 17 23,87	,627	, 432	— ,06
8076	206 Ophiuchi 7.8	3	18 28,32	3,695	, 008	+,013	3	—25 21 49,74	,615	, 533	— ,06
8077	Aræ α 3	1	19 6,11	4,625	, 016	——	6	—49 44 5,84	,561	, 668	——
8078	Ophiuchi 9	3	19 25,72	3,288	, 005	+,006	4	— 9 21 21,25	,531	, 476	— ,04
8079	34 Scorpii υ 3.4	2	19 33,11	4,068	, 010	—,005	5	—37 9 19,32	,522	, 588	— ,14
8080	Aræ 6.7	2	19 37,43	4,429	, 014	——	2	—45 53 58,30	,516	, 642	——
8081	Herculis 6	2	19 41,93	2,586	, 002	+,009	6	+20 13 37,68	,508	, 374	— ,05
8082	Aræ 7.8	2	19 43,87	4,432	, 014	——	2	—45 57 16,85	,505	, 643	——
8083	Ophiuchi 7.8	3	19 49,95	2,872	, 003	+,021	3	+ 8 35 16,31	,497	, 416	— ,25
8084	Draconis 9	2	20 3,03	1,291	, 007	+,014	2	+53 30 4,42	,479	, 182	— ,20
8085	Ophiuchi 9	2	20 4,24	2,841	, 003	+,017	4	+ 9 53 45,25	,478	, 411	+ ,06
8086	Ophiuchi 7	4	20 11,42	3,300	, 005	+,006	5	— 9 51 1,78	,467	, 478	+ ,16
8087	—— 6	5	20 24,94	3,060	, 004	+,003	4	+ 0 28 15,32	,448	, 445	— ,07
8088	Draconis 6.7	3	20 31,47	1,030	, 008	+,004	3	+57 9 47,12	,439	, 145	,00
8089	Ophiuchi e^1 7	3	20 46,87	3,650	, 007	—,001	4	—23 42 14,69	,415	, 528	— ,02
8090	Aræ 7	1	20 53,54	5,327	, 024	——	1	—59 43 5,89	,405	, 769	——
8091	Serpentis 7	2	21 0,84	3,436	, 005	+,010	4	—15 29 52,22	,396	, 497	— ,12
8092	Ophiuchi 9	3	21 15,84	2,999	, 004	+,004	3	+ 3 8 39,05	,375	, 436	— ,23
8093	51 —— e^2 5	5	21 21,36	3,653	, 007	+,003	5	—23 49 38,12	,368	, 523	— ,12
8094	—— 8	3	21 23,83	3,303	, 005	+,011	2	— 9 57 31,61	,363	, 478	— ,14
8095	Scorpii 6.7	2	21 30,02	4,219	, 011	——	2	—41 2 30,46	,354	, 609	——
8096	Sagittarii 6.7	4	21 30,03	3,718	, 008	+,001	5	—26 8 6,74	,354	, 538	— ,09
8097	Draconis 8.9	2	21 32,80	1,304	, 007	+,015	3	+53 16 29,39	,350	, 184	+ ,01
8098	Aræ 6.7	6	21 44,03	4,566	, 015	——	5	—48 24 3,21	,333	, 661	——
8099	—— 10	2	22 0,34	4,836	, 018	——	2	—53 13 38,99	,311	, 704	——
8100	Herculis 9	3	22 15,16	2,531	, 002	+,013	3	+22 16 29,34	,290	, 366	— ,18

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8101	Herculis κ 5.6	3	17 22 21,98	+1,585	+,00005	+,012	4	+48 24 7,14	3,281	+,00228	—0,04
8102	Ophiuchi 8	4	22 24,82	3,133	, 004	+,006	3	— 2 41 35,18	,276	, 455	— ,03
8103	35 Scorpii λ 3	7	22 24,92	4,064	, 010	+,006	5	—36 58 27,33	,276	, 588	— ,07
8104	——— 7.8	2	22 39,76	4,214	, 011	——	2	—40 53 58,07	,252	, 609	——
8105	Ophiuchi 8	5	22 52,09	3,126	, 004	—,010	3	— 2 24 10,15	,236	, 454	— ,18
8106	Ophiuchi h 6	5	23 5,19	3,005	, 004	+,003	5	+ 2 51 16,79	,217	, 437	— ,01
8107	——— 8	2	23 18,57	2,651	, 002	+,006	2	+17 38 47,99	,198	, 384	— ,12
8108	Aræ σ 5.6	5	23 23,12	4,457	, 013	—,008	6	—46 22 56,14	,191	, 647	— ,19
8109	226 Ophiuchi 7	3	23 23,37	3,484	, 006	+,005	3	—17 22 9,33	,191	, 504	+ ,01
8110	Serpentis 9	2	23 24,58	3,417	, 005	+,024	3	—14 39 49,21	,189	, 495	— ,09
8111	Ophiuchi 9	4	23 31,32	3,067	, 004	+,013	2	+ 0 10 16,75	,180	, 447	— ,07
8112	Draconis 6.7	3	23 36,35	0,891	, 008	+,005	3	+58 47 29,25	,172	, 129	+ ,03
8113	Ophiuchi 7.8	3	23 39,20	3,606	, 006	+,006	3	—22 2 44,66	,167	, 522	— ,09
8114	——— 7.8	2	23 46,78	3,003	, 004	+,005	3	+ 2 57 10,29	,156	, 437	— ,04
8115	Telescopii 5.6	2	23 55,91	3,911	, 009	——	2	—32 27 30,76	,143	, 566	——
8116	Ophiuchi 8.9	3	24 3,15	3,629	, 006	+,006	2	—22 54 16,77	,134	, 526	+ ,15
8117	76 Herculis λ 4.5	7	24 4,36	2,420	, 003	+,005	11	+26 14 24,23	,133	, 350	+ ,01
8118	Aræ π 6	1	24 33,90	4,915	, 018	——	1	—54 22 45,25	,089	, 717	——
8119	Herculis 8	2	24 40,71	2,268	, 003	+,017	3	+31 17 9,05	,077	, 328	— ,06
8120	——— 7.8	2	24 41,57	2,361	, 003	+,017	3	+28 15 56,56	,076	, 342	— ,05
8121	Draconis 6.7	3	25 0,18	1,439	, 006	—,017	2	+51 0 5,90	,051	, 207	+ ,02
8122	Scorpii 5	8	25 11,47	4,123	, 009	+,008	7	—38 30 33,87	,035	, 596	— ,28
8123	Ophiuchi 7	3	25 13,73	2,889	, 003	+,024	3	+ 7 50 30,47	,031	, 418	+ ,08
8124	78 Herculis 6	4	25 20,94	2,352	, 003	+,013	4	+28 31 54,43	,022	, 341	+ ,01
8125	52 Ophiuchi 7	3	25 23,33	3,603	, 006	+,004	4	—21 55 30,37	,018	, 522	— ,16
8126	Ophiuchi 8	2	25 27,75	3,673	, 007	—,008	4	—24 30 23,86	,011	, 533	— ,01
8127	Scorpii θ 5	3	25 28,50	4,299	, 011	+,007	5	—42 53 0,18	,009	, 624	— ,17
8128	——— 7.8	3	26 18,50	4,295	, 011	—,006	3	—42 46 3,46	2,939	, 623	— ,21
8129	Ophiuchi 7.8	3	26 23,05	2,775	, 003	—,001	3	+12 38 2,07	,931	, 403	— ,05
8130	23 Draconis β 2	3	26 42,71	1,351	, 006	+,015	5	+52 25 35,39	,902	, 193	,00
8131	54 Ophiuchi 6	5	26 46,46	2,759	, 003	+,021	6	+13 16 48,67	,898	, 400	— ,11
8132	53 ——— 8	3	26 46,53	2,845	, 003	+,010	3	+ 9 41 33,08	,896	, 412	— ,12
8133	53 ——— f 6	3	26 46,93	2,845	, 003	+,003	5	+ 9 42 15,73	,896	, 412	— ,08
8134	55 ——— α 2	46	27 16,73	2,773	, 003	+,017	60	+12 41 11,14	,854	, 403	— ,27
8135	——— 7.8	5	27 21,02	3,524	, 005	+,016	4	—18 52 39,87	,849	, 511	— ,09
8136	245 Ophiuchi 6.7	2	27 26,43	2,760	, 003	+,008	3	+13 14 7,75	,840	, 400	— ,12
8137	Aræ λ 7	2	27 40,06	4,610	, 013	——	2	—49 18 12,10	,819	, 670	——
8138	Serpentis 6.7	5	28 8,51	3,437	, 005	+,005	4	—15 27 45,02	,778	, 499	+ ,06
8139	55 ——— ξ 5	5	28 8,63	3,433	, 005	+,007	5	—15 17 15,50	,778	, 499	— ,16
8140	Ophiuchi 7	4	28 10,89	2,784	, 003	+,016	4	+12 9 31,12	,775	, 404	— ,02
8141	2 Sagittarii 6	3	28 50,19	3,601	, 005	—,003	4	—21 48 25,67	,718	, 523	,00
8142	300 Herculis 7	3	28 50,63	2,148	, 003	+,016	3	+34 51 46,19	,717	, 311	— ,13
8143	——— 7	4	28 50,65	1,522	, 005	+,008	3	+49 27 39,05	,717	, 221	— ,06
8144	Telescopii 7	3	28 52,20	3,906	, 007	—,003	3	—32 13 0,98	,716	, 567	— ,06
8145	57 Ophiuchi μ 5	6	28 52,79	3,258	, 004	+,011	5	— 8 0 39,41	,713	, 474	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″	″	″
8146	Aræ 7	2	17 28 55,12	+4,483	+,00011	——	2	—46 49 17,91	2,711	+,00653	——
8147	24 Draconis ν¹ 5	5	28 56,01	1,157	,006	+,028	5	+55 17 56,11	,709	,164	—0,06
8148	Herculis 7.8	3	28 56,77	2,560	,003	+,018	4	+21 6 21,99	,708	,372	—,11
8149	25 Draconis ν² 5	2	29 1,26	1,159	,006	+,028	5	+55 17 14,93	,703	,164	—,02
8150	Sagittarii 7	6	29 16,32	3,902	,007	+,007	3	—32 5 57,75	,682	,566	—,08
8151	Ophiuchi 8	4	29 21,46	2,795	,003	+,005	5	+11 45 47,37	,675	,406	—,02
8152	Pavonis η 5	1	29 33,61	5,867	,024	——	2	—64 37 57,83	,655	,858	——
8153	Aræ 8	2	30 0,80	5,056	,016	——	2	—56 15 43,34	,616	,738	——
8154	Ophiuchi 8	3	30 8,14	2,794	,003	+,004	4	+11 47 33,76	,605	,406	—,07
8155	Telescopii 7	—	30 ——	3,903	,007	——	2	—32 7 0,57	,600	,566	—,06
8156	Ophiuchi 8.9	2	30 17,94	3,333	,005	+,014	3	—11 9 58,53	,592	,485	—,09
8157	306 Herculis 6	2	30 19,89	2,277	,003	+,005	3	+30 53 29,25	,589	,331	—,03
8158	—— 8	2	30 25,23	2,570	,003	+,013	2	+20 42 5,08	,582	,373	—,05
8159	79 —— 6	4	30 43,44	2,469	,003	+,013	3	+24 24 48,53	,555	,358	—,08
8160	Ophiuchi 9	2	30 46,60	3,654	,006	+,012	3	—23 44 21,71	,549	,531	—,09
8161	Ophiuchi 7.8	1	30 48,98	3,022	,004	+,049	5	+ 2 7 45,78	,549	,441	—,01
8162	Telescopii 7	2	30 53,28	3,901	,007	—,005	1	—32 1 0,18	,540	,566	—,14
8163	Aræ μ 6.7	2	31 3,43	4,753	,013	——	2	—51 44 8,53	,527	,694	——
8164	Scorpii κ 3	7	31 5,00	4,142	,008	+,006	5	—38 56 9,16	,524	,601	—,09
8165	258 Ophiuchi 7	3	31 6,03	2,986	,004	+,004	3	+ 3 39 31,39	,523	,435	—,20
8166	Ophiuchi 7	2	31 16,76	2,990	,004	—,014	3	+ 3 29 35,87	,507	,436	—,06
8167	—— 7	4	31 23,50	2,754	,003	+,013	3	+18 25 36,57	,498	,400	,00
8168	Aræ 7.8	2	31 23,80	4,440	,010	——	2	—45 52 52,39	,497	,648	——
8169	255 Ophiuchi 7	2	31 28,67	3,083	,004	+,007	1	— 0 32 26,93	,489	,449	+,02
8170	7 Sagittarii 6.7	2	31 39,36	4,065	,007	—,002	2	—36 51 6,46	,473	,590	+,11
8171	Ophiuchi 8	3	32 5,21	2,755	,003	+,010	2	+13 22 54,30	,437	,400	—,01
8172	56 Serpentis ο 4.5	5	32 8,85	3,372	,005	+,005	5	—12 46 45,33	,431	,491	—,07
8173	Herculis 7	5	32 13,00	1,567	,004	+,015	2	+48 33 56,86	,426	,227	—,37
8174	—— y 5.6	2	32 18,76	1,561	,004	+,013	2	+48 41 4,14	,418	,226	—,03
8175	Aræ 6.7	1	32 20,88	5,363	,017	——	1	—59 54 39,53	,415	,777	——
8176	Ophiuchi 7.8	3	32 33,75	3,101	,004	+,016	4	— 1 18 14,17	,395	,452	—,10
8177	27 Draconis f 5	3	32 38,24	—0,254	,014	+,002	4	+68 14 22,51	,387	—,00036	+,08
8178	Scorpii 6.7	2	32 52,53	+4,294	,009	——	2	—42 38 41,75	,366	+,00625	——
8179	Herculis 7.8	2	32 54,00	2,465	,003	+,014	3	+24 30 37,54	,365	,358	—,01
8180	Sagittarii 7	3	32 54,99	3,771	,006	+,010	8	—27 47 46,47	,364	,547	—,08
8181	Serpentis 7	4	33 12,36	3,438	,005	+,015	5	—15 28 14,43	,340	,501	—,07
8182	141 Draconis 6.7	2	33 17,40	0,573	,008	+,039	2	+62 0 9,48	,332	,083	—,44
8183	260 Ophiuchi 6.7	2	33 29,53	2,922	,004	—,003	1	+ 6 24 12,11	,314	,425	—,06
8184	58 —— D 5	5	33 32,89	3,596	,005	—,007	5	—21 35 42,35	,309	,523	—,10
8185	316 Herculis 6	4	33 43,67	2,261	,003	+,004	3	+31 17 39,89	,292	,329	—,10
8186	142 Draconis 7.8	3	33 45,41	0,512	,008	+,004	3	+62 33 48,07	,291	,075	—,07
8187	262 Ophiuchi 7.8	1	33 45,65	2,968	,004	+,011	1	+ 4 27 19,57	,290	,432	—,13
8188	Herculis 6.7	5	34 18,98	2,463	,003	+,006	3	+24 36 3,24	,244	,358	+,21
8189	Ophiuchi 7	6	34 27,48	3,611	,004	+,011	4	—22 6 43,60	,231	,525	—,05
8190	Herculis 6.7	2	34 27,79	2,260	,003	—,020	3	+31 22 50,10	,230	,329	—,10

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ —	″	″
8191	Ophiuchi	8	3	17 34 32,36	+2,848	+,00004	+,011	3	+ 9 32 6,81	2,224	+,00413	—0,06
8192	———	6	5	34 34,61	2,689	, 003	+,009	1	+16 2 4,68	,219	, 391	+ ,08
8193	Aræ	10	2	34 38,53	5,534	, 017	——	2	—61 38 36,54	,213	, 806	——
8194	Ophiuchi	8	3	34 46,29	3,607	, 004	—,006	4	—21 56 28,87	,204	, 525	— ,08
8195	85 Herculis ι	4	6	34 48,67	1,690	, 004	+,026	5	+46 5 49,94	,200	, 345	— ,07
8196	Aræ	6.7	2	34 53,10	4,993	, 012	——	2	—55 19 47,33	,193	, 730	——
8197	Ophiuchi	7.8	2	34 53,21	3,234	, 004	+,014	4	— 6 59 46,72	,193	, 472	— ,04
8198	———	7	2	34 56,66	2,657	, 003	+,011	2	+17 18 54,12	,188	, 386	+ ,06
8199	323 Herculis	6	4	34 56,78	2,461	, 003	+,006	3	+24 39 41,37	,188	, 358	— ,02
8200	Draconis		—	35 ——	—0,255	, 014	——	1	+61 13 15,11	,180	—,00037	— ,09
8201	60 Ophiuchi β	3	7	35 19,62	+2,963	, 004	+,009	8	+ 4 38 33,12	,156	+,00432	+ ,09
8202	Herculis	7	2	35 29,92	2,372	, 003	+,019	2	+27 43 40,95	,141	, 345	— ,00
8203	Sagittarii	7.8	2	35 42,61	3,745	, 005	—,008	3	—26 53 44,17	,121	, 545	— ,08
8204	83 Herculis	6	5	35 42,67	2,461	, 003	+,002	7	+24 39 9,81	,121	, 358	— ,10
8205	1 Scorpii ι	4 5	7	36 3,33	4,189	, 007	+,020	8	—40 3 16,56	,093	, 608	— ,20
8206	Ophiuchi	8	4	36 11,49	2,936	, 004	+,028	2	+ 5 47 38,28	,081	, 428	— ,07
8207	Draconis	8	—	36 ——	—0,376	, 014	——	1	+68 54 12,28	,077	—, 055	+ ,10
8208	272 Ophiuchi	6.7	2	36 17,28	+3,009	, 004	+,012	1	+ 2 39 25,97	,073	+, 439	— ,03
8209	61 ———	7.8	4	36 18,33	3,009	, 004	—,001	3	+ 2 39 24,32	,072	, 439	— ,08
8210	84 Herculis	5.6	4	36 35,14	2,468	, 003	+,003	5	+24 24 19,43	,045	, 358	+ ,08
8211	Ophiuchi	7.8	4	36 45,48	2,743	, 003	+,007	3	+13 51 39,59	,031	, 399	+ ,01
8212	Aræ	7	2	36 45,69	5,385	, 014	——	2	—60 5 59,30	,030	, 780	——
8213	Draconis	8	3	36 52,14	1,278	, 004	+,007	4	+53 25 13,64	,020	, 183	— ,14
8214	Aræ ν¹	7	2	37 3,93	4,873	, 011	——	2	—53 33 1,35	,005	, 713	——
8215	3 Sagittarii p	5	6	37 10,60	3,771	, 005	—,001	4	—27 45 33,66	1,994	, 548	— ,07
8216	144 Draconis	7	2	37 15,14	—1,671	, 029	—,023	1	+74 19 33,27	,989	—,00246	+ ,07
8217	———	8	3	37 20,88	—0,322	, 013	+,010	1	+68 34 52,19	,981	—,00048	— ,16
8218	Ophiuchi	8.9	3	37 28,98	+2,936	, 003	+,016	3	+ 5 47 25,02	,967	+,00428	— ,04
8219	———	7.8	3	37 48,29	3,504	, 004	+,006	3	—18 2 14,70	,939	, 510	— ,06
8220	Aræ	7	1	37 51,26	4,842	, 011	——	1	—53 4 5,25	,935	, 709	——
8221	Ophiuchi	7	5	37 51,47	2,932	, 003	+,003	1	+ 5 58 48,79	,935	, 427	— ,09
8222	———	7	9	37 52,22	2,937	, 003	—,004	1	+ 5 46 12,66	,934	, 428	+ ,19
8223	28 Draconis ω	5	5	37 55,24	—0,367	, 013	+,004	4	+68 49 58,76	,929	—,00052	+ ,19
8224	Aræ	7.8	1	37 59,93	+4,888	, 011	——	1	—53 46 29,67	,922	+,00716	——
8225	Ophiuchi	7.8	2	38 5,91	2,937	, 003	+,005	4	+ 5 43 48,01	,914	, 428	— ,13
8226	Sagittarii	7	3	38 8,99	3,746	, 005	—,001	4	—26 54 26,72	,909	, 546	— ,05
8227	———	5.6	3	38 27,57	3,891	, 005	—,002	1	—31 38 15,45	,882	, 567	— ,04
8228	Ophiuchi	8	6	38 36,44	2,935	, 003	+,013	5	+ 5 50 40,27	,869	, 428	— ,03
8229	Telescopii γ	4	6	38 38,13	4,074	, 006	+,017	5	—36 58 53,26	,865	, 594	— ,07
8230	Scorpii μ²	6.7	2	38 39,16	4,189	, 006	—,002	2	—40 1 38,19	,864	, 609	,00
8231	Sagittarii	7	3	38 39,78	3,856	, 005	+,006	1	—30 31 53,58	,863	, 561	— ,14
8232	Ophiuchi	8.9	2	38 41,57	2,940	, 003	+,017	3	+ 5 38 3,71	,860	, 428	— ,09
8233	———	8	4	38 57,37	2,937	, 003	+,007	3	+ 5 45 36,79	,835	, 428	— ,09
8234	Aræ χ	6.7	2	39 32,45	4,428	, 007	——	2	—45 32 34,17	,788	, 648	——
8235	62 Ophiuchi γ	4	5	39 37,38	3,006	, 003	+,004	5	+ 2 46 33,37	,781	, 438	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ —	″	″
8236	Ophiuchi 7.8	1	17 39 45,50	+3,112	+,00003	+,008	2	— 1 44 39,62	1,769	+,00454	—0,06
8237	Telescopii 7	3	39 56,70	4,220	, 006	+,009	3	—40 42 46,66	,752	, 614	— ,15
8238	86 Herculis μ 4	6	40 0,39	2,368	, 002	—,009	13	+27 49 19,07	,748	, 346	— ,76
8239	Sagittarii 6.7	1	40 2,13	3,750	, 004	+,004	3	—27 0 0,25	,745	, 546	— ,04
8240	——— 7	4	40 35,98	3,856	, 005	+,013	8	—30 29 59,69	,695	, 562	— ,03
8241	Ophiuchi 7.8	6	40 38,34	2,936	, 003	—,004	2	+ 5 45 46,84	,692	, 428	— ,06
8242	Draconis 7.8	1	40 51,28	1,476	, 004	+,014	3	+50 6 46,24	,673	, 216	— ,06
8243	Scorpii y 6.7	2	41 5,78	4,268	, 006	——	2	—41 56 8,59	,651	, 623	——
8244	Sagittarii 8	3	41 7,52	3,633	, 003	+,015	1	—22 51 44,02	,648	, 530	— ,16
8245	Telescopii 7.8	4	41 13,98	3,996	, 005	+,021	6	—34 44 41,59	,639	, 583	+ ,05
8246	Sagittarii 7	3	41 22,19	3,982	, 005	—,016	4	—34 21 47,56	,628	, 581	— ,01
8247	——— 7.8	4	41 35,97	3,654	, 004	—,001	1	—23 37 24,25	,608	, 533	— ,07
8248	339 Herculis 6	3	41 38,09	2,604	, 003	+,015	3	+19 18 49,05	,605	, 380	,00
8249	Telescopii 7.8	4	41 53,85	3,972	, 005	+,025	3	—34 3 49,84	,582	, 579	— ,03
8250	Sagittarii 8	5	41 58,45	3,549	, 003	+,015	5	—19 43 14,36	,576	, 517	— ,10
8251	Ophiuchi 7	2	42 3,70	3,542	, 003	+,013	3	—19 28 10,76	,568	, 516	— ,16
8252	87 Herculis 6	5	42 7,89	2,430	, 002	+,011	5	+25 41 17,45	,563	, 354	+ ,47
8253	Telescopii 6.7	1	42 23,08	3,999	, 005	+,004	4	—34 50 47,17	,542	, 580	— ,15
8254	Tauri Pon. 8	3	42 35,53	2,901	, 003	—,003	4	+ 7 17 7,60	,521	, 422	— ,07
8255	290 Ophiuchi 7	2	42 36,46	3,532	, 003	+,009	2	—19 4 14,04	,521	, 515	— ,13
8256	Herculis 7	4	42 36,59	1,951	, 002	+,008	2	+40 2 1,06	,520	, 287	+ ,09
8257	Telescopii η 6	2	42 55,03	3,994	, 005	+,002	1	—34 42 22,81	,493	, 583	— ,11
8258	Tauri Pon. 7.8	5	42 57,91	2,948	, 003	,000	3	+ 5 16 50,58	,489	, 429	— ,01
8259	Telescopii 6	2	43 23,05	3,999	, 005	——	2	—34 50 2,59	,452	, 583	——
8260	——— 7.8	1	43 29,17	3,985	, 005	——	1	—34 25 22,96	,443	, 581	——
8261	Aræ 6.7	2	43 37,87	5,113	, 009	——	2	—56 51 28,22	,431	, 750	——
8262	Ophiuchi 9	2	43 39,83	3,526	, 003	+,026	3	—18 49 46,41	,429	, 514	+ ,02
8263	Serpentis k^1 7	2	43 53,73	3,327	, 003	+,010	1	—10 51 8,75	,408	, 486	— ,29
8264	Telescopii o 7	2	43 58,56	4,056	, 005	——	2	—36 26 0,78	,400	, 592	——
8265	Ophiuchi 8	3	44 0,41	3,552	, 003	+,002	4	—19 50 30,17	,399	, 518	+ ,02
8266	297 Ophiuchi 7	2	44 13,90	3,040	, 003	—,002	4	+ 1 21 8,08	,378	, 443	— ,06
8267	Telescopii 6	1	44 45,10	4,373	, 006	——	1	—44 18 16,05	,333	, 639	——
8268	63 Ophiuchi z 6.7	8	44 45,14	3,686	, 003	+,010	8	—24 50 45,55	,333	, 538	— ,04
8269	Draconis ψ^1 5.6	2	44 52,49	—1,091	, 015	—,001	2	+72 13 35,67	,323	—,00160	— ,42
8270	——— ψ^2 7	4	44 54,89	—1,093	, 015	+,005	3	+72 14 8,07	,318	—,00160	— ,39
8271	Serpentis k^2 7	2	44 56,45	+3,338	, 003	+,001	3	—11 17 43,29	,316	+,00488	— ,05
8272	Ophiuchi 8	3	44 59,90	3,636	, 003	+,004	4	—22 56 26,04	,311	, 530	— ,04
8273	Telescopii 7	4	45 6,53	4,006	, 005	——	4	—35 0 39,21	,301	, 584	——
8274	146 Draconis 6	2	45 7,81	1,434	, 004	—,017	1	+50 49 23,64	,299	, 209	+ ,15
8275	352 Herculis 7	3	45 10,94	2,664	, 003	—,027	4	+16 56 46,65	,295	, 389	— ,08
8276	3 Tauri Pon. 6.7	2	45 11,88	2,928	, 003	—,010	3	+ 6 8 28,08	,294	, 427	— ,02
8277	Telescopii 6.7	3	45 24,63	4,270	, 005	—,019	4	—41 56 36,42	,275	, 623	— ,06
8278	Ophiuchi 7	3	45 30,63	3,108	, 003	,000	3	— 1 34 36,53	,268	, 454	— ,02
8279	Serpentis 7.8	4	45 43,48	3,345	, 003	+,013	3	—11 35 41,58	,249	, 489	— ,05
8280	356 Herculis 7	4	45 44,45	1,566	, 004	+,018	—	+48 26 ——	,247	, 228	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
				h. m. s.	s.	s	s		° ′ ″	″	″	″
8281	354 Herculis	6.7	2	17 45 52,14	+1,946	+,00002	—,005	3	+40 7 3,46	1,236	+,00286	—0,05
8282	Telescopii	7	3	46 4,77	4,260	, 005	+,006	4	—41 40 57,70	,217	, 622	—,06
8283	302 Ophiuchi	6.7	3	46 12,89	3,525	, 003	—,024	2	—18 45 55,74	,206	, 514	—,09
8284	Telescopii ν	7	1	46 13,92	4,269	, 005	—,021	1	—41 54 43,58	,203	, 623	+,05
8285	Sagittarii	7.8	4	46 25,81	3,608	, 003	+,010	1	—21 55 2,02	,186	, 526	+,15
8286	Herculis	7.8	1	46 28,27	1,565	, 003	+,013	2	+48 26 29,93	,184	, 228	—,11
8287	———	6	3	46 42,75	1,950	, 002	+,009	3	+40 1 16,19	,162	, 287	—,09
8288	Serpentis	7	8	46 49,79	3,448	, 003	+,006	7	—15 46 33,57	,151	, 504	—,13
8289	357 Herculis	7.8	2	46 51,06	2,454	, 002	+,025	3	+24 48 55,58	,150	, 358	—,06
8290	Aræ	7.8	1	46 57,70	4,541	, 005	——	1	—47 44 45,62	,140	, 664	——
8291	Sagittarii	7	3	47 2,76	3,663	, 003	+,007	2	—23 54 27,95	,133	, 534	—,12
8292	Serpentis	8	3	47 19,55	3,445	, 003	+,002	2	—15 39 4,81	,107	, 504	,00
8293	Telescopii	6	2	47 43,44	4,071	, 004	——	2	—36 49 56,21	,075	, 594	——
8294	Ophiuchi	8	2	47 43,71	3,528	, 002	+,018	2	—18 54 24,18	,073	, 515	—,09
8295	Tauri Pon.	7	3	47 54,12	2,949	, 003	+,005	3	+ 5 11 40,05	,058	, 431	+,01
8296	7 Tauri Pon.	5.6	4	47 54,18	3,055	, 003	+,001	3	+ 0 42 8,72	,058	, 447	,00
8297	Herculis f	6	4	47 55,40	1,949	, 002	—,005	3	+40 2 34,41	,057	, 287	—,01
8298	Serpentis	6	3	48 5,44	3,165	, 003	+,014	5	— 4 3 4,93	,043	, 463	—,18
8299	Telescopii	6.7	1	48 22,02	4,041	, 004	——	1	—35 59 47,78	,018	, 590	——
8300	Sagittarii	5	12	48 29,87	3,849	, 004	—,023	6	—30 13 38,48	,006	, 560	—,02
8301	Tauri Pon.	7	2	48 44,03	2,954	, 003	+,010	3	+ 5 0 48,04	0,985	, 431	+,08
8302	89 Herculis	5.6	5	48 46,17	2,417	, 002	+,012	5	+26 4 51,62	,983	, 353	—,11
8303	Ophiuchi	7.8	1	49 8,27	3,475	, 002	+,006	4	—16 49 55,28	,950	, 508	—,03
8304	Herculis	7	2	49 10,49	2,628	, 002	+,015	3	+18 21 22,46	,948	, 391	—,06
8305	365 ———	7	3	49 22,97	2,621	, 002	+,023	1	+18 38 25,61	,928	, 390	—,01
8306	4 Sagittarii b	5	6	49 43,25	3,660	, 002	+,031	6	—23 47 34,62	,900	, 534	—,18
8307	64 Ophiuchi ν	4	9	49 56,79	3,301	, 003	+,009	10	— 9 44 46,33	,879	, 483	—,26
8308	Herculis	8	4	49 57,39	1,708	, 003	+,024	3	+45 35 1,68	,879	, 248	+,05
8309	5 Sagittarii i	7	5	50 4,89	3,673	, 002	—,002	6	—24 15 45,61	,868	, 536	—,06
8310	———	6.7	4	50 11,52	3,566	, 002	+,012	6	—20 19 8,00	,858	, 520	—,03
8311	Serpentis	7.8	3	50 17,84	3,189	, 003	+,012	4	— 5 1 33,00	,849	, 467	—,02
8312	Draconis	7.8	4	50 26,62	0,716	, 005	+,004	2	+60 25 42,25	,836	, 099	—,02
8313	Herculis θ	4	3	50 35,84	2,054	, 002	+,013	5	+37 16 36,34	,822	, 601	—,03
8314	Telescopii	7	2	50 39,39	4,055	, 004	——	2	—36 21 42,47	,818	, 592	——
8315	32 Draconis ξ	3.4	3	50 40,49	1,021	, 005	+,023	6	+56 54 1,14	,817	, 145	+,04
8316	172 Serpentis	6.7	5	50 51,34	3,183	, 003	+,014	3	— 4 47 51,64	,800	, 466	—,14
8317	92 Herculis ξ	4	4	51 21,25	2,322	, 002	+,012	7	+29 16 14,87	,756	, 339	—,09
8318	Sagittarii	8	3	51 24,63	3,506	, 002	—,007	2	—18 3 29,90	,751	, 512	—,07
8319	———	8	3	51 42,75	3,614	, 002	+,009	4	—22 7 7,93	,725	, 627	—,11
8320	57 Serpentis ζ	5	2	51 45,73	3,157	, 003	+,001	5	— 3 40 21,85	,721	, 462	—,12
8321	6 Sagittarii	7	5	51 48,22	3,483	, 002	—,005	4	—17 8 35,30	,717	, 509	—,10
8322	———	6	8	51 55,02	3,632	, 002	+,011	3	—22 46 8,57	,707	, 530	—,19
8323	379 Herculis	7	4	51 56,37	1,734	, 002	—,001	3	+45 0 40,27	,705	, 252	+,03
8324	Telescopii	6.7	2	52 1,57	5,257	, 005	——	2	—58 34 4,16	,697	, 770	——
8325	66 Ophiuchi n	5	3	52 5,57	2,969	, 003	+,001	2	+ 4 23 4,83	,691	, 434	—,11

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
8326	Sagittarii	8	5	17 52 8,92	+3,534	+,00002	+,009	5	−19 5 37,64	0,687	+,00516	−0,01
8327	94 Herculis ν	5	2	52 11,63	2,293	,002	+,019	3	+30 12 27,95	,683	,335	−,05
8328	67 Ophiuchi ο	4	3	52 23,15	3,002	,003	+,013	5	+ 2 56 46,38	,666	,489	−,10
8329	19 Sagittarii	8	1	52 31,64	3,636	,002	,000	1	−22 58 43,83	,652	,581	,00
8330	———	7.8	4	52 32,08	3,673	,002	−,014	3	−24 14 43,71	,652	,586	−,08
8331	93 Herculis E	5	2	52 42,56	2,668	,002	+,007	1	+16 45 55,76	,637	,389	−,10
8332	7 Sagittarii α	6	6	52 44,44	3,674	,002	+,006	3	−24 16 21,81	,635	,536	−,05
8333	33 Draconis γ	2	51	52 46,58	1,390	,003	+,008	68	+51 30 39,95	,630	,202	−,03
8334	Sagittarii	6	3	52 46,95	3,577	,002	+,002	1	−20 43 38,92	,630	,522	−,03
8335	Tauri Pon.	6	2	52 50,23	2,924	,003	+,017	1	+ 6 16 52,98	,626	,427	−,09
8336	Sagittarii	6.7	3	53 2,40	3,631	,002	+,004	3	−22 42 37,98	,609	,530	−,05
8337	———	7.8	2	53 13,39	3,974	,003	+,019	3	−34 2 52,30	,594	,580	−,08
8338	68 Ophiuchi k	5.6	2	53 23,06	3,040	,003	+,008	4	+ 1 18 57,54	,578	,444	−,02
8339	Herculis	8	2	53 35,60	2,734	,002	+,014	2	+14 7 48,36	,560	,399	−,10
8340	Sagittarii	8.9	—	53 ——	3,642	,002	——	3	−23 7 56,96	,554	,531	−,10
8341	Telescopii	6.7	2	53 44,27	4,039	,003	——	2	−35 53 50,38	,548	,590	——
8342	9 Sagittarii	6.7	—	53 ——	3,676	,002	——	2	−24 21 20,88	,545	,536	−,04
8343	Aræ θ	4	2	53 47,60	4,669	,002	——	6	−50 5 31,07	,542	,681	——
8344	Sagittarii	8.9	1	53 50,35	3,675	,002	+,012	3	−24 18 29,19	,539	,536	−,05
8345	———	7.8	1	53 56,08	3,633	,002	+,002	—	−22 49 ——	,530	,530	——
8346	Tauri Pon.	8.9	3	54 3,86	2,969	,003	+,012	2	+ 4 22 54,63	,520	,434	−,22
8347	69 Ophiuchi τ	5	6	54 6,11	3,263	,003	+,017	5	− 8 10 20,97	,516	,477	,00
8348	Sagittarii	9	2	54 16,33	3,543	,002	+,002	3	−19 27 19,48	,502	,517	−,10
8349	Telescopii	7.8	2	54 24,63	4,069	,002	——	2	−36 45 11,26	,489	,594	——
8350	Sagittarii γ¹	5	3	54 29,10	3,830	,002	+,016	5	−29 34 44,90	,482	,558	−,07
8351	95 Herculis B	5.6	1	54 30,19	2,542	,002	+,008	1	+21 36 6,27	,481	,371	−,04
8352	———	8	4	54 31,23	2,510	,002	+,016	4	+22 46 53,73	,480	,366	−,02
8353	387 ———	6.7	3	54 33,94	2,196	,002	+,015	3	+33 13 25,67	,476	,321	−,11
8354	Telescopii	8	3	54 34,26	4,063	,002	——	2	−36 34 45,52	,476	,593	——
8355	——— B	5.6	4	54 54,31	4,336	,002	−,010	2	−43 25 25,21	,447	,634	−,16
8356	Sagittarii	7	5	55 3,69	3,677	,002	+,018	4	−24 23 55,02	,433	,536	−,07
8357	Pavonis	7	2	55 6,06	5,588	,003	——	2	−62 1 24,00	,429	,811	——
8358	10 Sagittarii γ²	4	5	55 12,73	3,856	,002	−,003	4	−30 25 2,13	,420	,562	−,24
8359	391 Herculis	6.7	3	55 13,55	1,710	,002	+,011	3	+45 30 44,09	,417	,248	−,07
8360	Telescopii	6.7	2	55 15,25	4,043	,002	——	2	−36 1 26,46	,416	,590	——
8361	96 Herculis Q	5	5	55 20,04	2,562	,002	+,014	5	+20 50 18,43	,408	,373	−,08
8362	Telescopii	7	1	55 23,77	5,300	,003	——	1	−59 3 4,40	,403	,776	——
8363	Herculis	8	3	55 32,60	2,713	,002	+,019	3	+15 0 17,94	,389	,396	−,10
8364	97 ———	6	3	55 36,44	2,505	,002	+,008	4	+22 55 42,86	,385	,365	+,06
8365	Telescopii	7.8	2	55 44,91	4,335	,002	+,003	3	−43 23 51,13	,372	,634	+,03
8366	Telescopii	7	2	55 53,81	4,065	,002	——	2	−36 36 49,94	,359	,593	——
8367	Draconis	6.7	2	55 57,51	−2,746	,003	+,017	1	+77 3 23,06	,353	−,00400	+,01
8368	Urs. Min.	8	2	56 17,05	−1,779	,003	−,031	2	+74 35 36,74	,325	−,00257	−,12
8369	24 Telescopii	6.7	2	56 17,10	+4,445	,002	+,022	5	−45 46 34,29	,325	+,00665	−,12
8370	Sagittarii	8	3	56 20,10	3,793	,002	+,016	3	−28 22 7,89	,320	,552	−,03

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″	″	″
8371	Draconis	5	6	17 56 49,96	—2,711	+,00001	—,015	6	+76 58 43,41	0,277	—,00400	+0,19
8372	70 Ophiuchi	p 4.5	9	57 7,16	+3,012	, 002	+,020	5	+ 2 32 42,59	,253	+,00440	—1,07
8373	316 ———	6	2	57 8,70	3,267	, 002	+,018	3	— 8 19 46,22	,250	, 478	— ,04
8374	Sagittarii	7	5	57 18,00	3,596	, 002	+,009	6	—21 27 9,45	,237	, 525	— ,01
8375	———	8	3	57 23,72	4,875	, 002	+,019	3	—31 0 45,54	,228	, 565	— ,05
8376	Sagittarii	5	5	57 37,91	3,796	, 002	,000	5	—28 28 0,29	,207	, 551	— ,02
8377	27 Telescopii	8	4	57 41,12	4,406	, 002	—,007	3	—44 57 35,02	,202	, 645	— ,18
8378	Sagittarii	8.9	3	57 47,35	3,608	, 002	+,021	4	—21 52 18,71	,193	, 527	— ,04
8379	34 Draconis	ψ 6	1	58 2,04	—1,048	, 003	—,014	2	+72 1 9,28	,173	—,00150	,00
8380	Herculis	7.8	3	58 3,44	+2,787	, 002	+,004	3	+11 59 46,77	,171	+,00406	— ,06
8381	Tauri Pon.	7.8	2	58 10,73	2,750	, 002	—,020	3	+13 28 33,52	,159	, 401	— ,08
8382	Telescopii	6.7	2	58 11,44	4,067	, 002	——	2	—36 41 14,50	,159	, 593	——
8383	———	7	1	58 37,13	4,532	, 002	——	1	—47 31 54,13	,121	, 662	——
8384	Sagittarii	7	2	58 45,20	3,597	, 001	+,006	3	—21 27 50,53	,109	, 525	— ,01
8385	Tauri Pon.	7.8	3	58 57,64	2,863	, 002	+,009	3	+ 8 52 15,03	,090	, 417	— ,29
8386	Telescopii	ε 5	3	58 59,24	4,454	, 001	,000	5	—45 58 22,17	,088	, 652	— ,02
8387	Sagittarii	7	4	59 0,61	3,727	, 002	+,002	5	—26 7 5,45	,086	, 543	— ,32
8388	98 Herculis	5.6	4	59 5,16	2,525	, 002	+,011	5	+22 12 32,79	,079	, 368	— ,07
8389	Sagittarii	7	5	59 12,59	3,666	, 002	+,003	5	—24 0 19,54	,069	, 535	— ,05
8390	Tauri Pon.	7.8	3	59 15,71	2,914	, 002	—,001	3	+ 6 41 29,69	,064	, 425	— ,11
8391	71 Ophiuchi	S¹ 6	3	59 25,05	2,866	, 002	+,009	4	+ 8 43 8,68	,051	, 417	— ,09
8392	103 Herculis	7.8	4	59 27,47	1,830	, 002	+,018	3	+42 51 6,86	,048	, 267	— ,11
8393	Sagittarii	6	5	59 27,76	3,867	, 002	+,005	3	—30 44 46,73	,047	, 564	— ,10
8394	72 Ophiuchi	S² 4	6	59 31,55	2,846	, 002	—,002	5	+ 9 32 48,10	,040	, 415	— ,01
8395	Tauri Pon.	8	2	59 41,03	2,848	, 002	+,012	2	+ 9 28 47,45	,027	, 415	— ,17
8396	406 Herculis	8	2	59 47,11	1,826	, 002	+,011	3	+42 56 49,81	,018	, 267	— ,12
8397	182 Serpentis	6.7	2	18 0 0,56	3,139	, 002	—,006	1	— 2 55 30,04	+,001	, 460	— ,08
8398	Aræ	7	2	0 1,35	4,698	, 002	——	2	—50 34 51,83	,001	, 686	——
8399	Sagittarii	9	2	0 2,86	3,660	, 002	+,016	1	—23 47 33,40	,004	, 534	+ ,03
8400	405 Herculis	6.7	2	0 12,29	2,761	, 002	+,001	1	+13 3 16,59	,017	, 403	— ,10
8401	Sagittarii	8.9	2	0 18,94	3,725	, 002	+,006	2	—26 3 14,47	,026	, 543	— ,02
8402	Telescopii	7.8	4	0 39,56	4,009	, 002	——	3	—35 2 59,75	,056	, 585	——
8403	Herculis	b 5.6	2	0 45,92	2,282	, 002	+,003	3	+30 32 34,83	,066	, 332	+ ,01
8404	Sagittarii	7.8	2	0 52,03	3,717	, 002	+,014	3	—25 47 11,99	,075	, 543	— ,04
8405	103 Herculis	o 4	11	1 6,46	2,337	, 002	+,006	8	+28 44 40,72	,096	, 345	— ,06
8406	100 Herculis	i¹ 6.7	6	1 10,58	2,416	, 002	+,016	6	+26 4 39,46	,103	, 353	— ,03
8407	100 ———	i² 6.7	2	1 10,70	2,417	, 002	+,014	—	+26 4 ——	,103	, 353	——
8408	73 Ophiuchi	q 6	3	1 21,97	2,978	, 002	+,015	5	+ 3 58 19,26	,119	, 435	— ,05
8409	Herculis	8	3	1 24,63	2,443	, 002	+,014	2	+25 9 23,35	,123	, 357	— ,09
8410	Sagittarii	6	5	1 39,23	3,659	, 002	+,001	6	—23 43 36,11	,144	, 535	— ,08
8411	102 Herculis	C 5.6	4	1 42,33	2,563	, 002	+,013	5	+20 47 37,56	,149	, 373	— ,10
8412	101 ———	P 6	5	1 46,09	2,584	, 002	+,009	2	+20 1 30,35	,154	, 377	— ,04
8413	Ophiuchi	8.9	3	1 56,79	2,788	, 002	+,001	4	+11 56 45,74	,171	, 406	— ,27
8414	Draconis	8	2	2 13,76	—0,956	, 002	+,006	3	+71 37 46,82	,196	—,00138	+ ,13
8415	Tauri Pon.	7.8	3	2 40,19	+2,893	, 002	+,013	3	+ 7 36 30,40	,233	+,00420	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8416	Herculis 7	4	18 2 51,93	+2,285	+,00001	+,016	5	+30 26 19,23	0,251	+,00334	+0,01
8417	Telescopii 6	3	3 13,35	5,058	—, 002	——	3	—56 3 49,57	,281	, 743	——
8418	35 —— 6	3	3 51,23	4,373	—, 001	+,025	3	—44 14 49,08	,337	, 640	+ ,06
8419	13 Sagittarii μ¹ 3.4	7	3 53,98	3,587	, 000	+,021	5	—21 5 39,55	,341	, 523	+ ,07
8420	Telescopii 7	3	4 1,13	4,728	—, 002	——	3	—51 6 34,14	,351	, 692	——
8421	Tauri Pon. 7.8	3	4 15,32	2,878	+, 001	+,002	2	+ 8 11 46,00	,372	, 419	+ ,14
8422	14 Sagittarii 6	5	4 21,32	3,604	—, 001	+,007	3	—21 44 58,44	,381	, 526	+ ,10
8423	Herculis 8	4	4 28,40	2,151	+, 001	+,010	3	+34 31 39,33	,390	, 314	,00
8424	Telescopii 7.8	3	4 40,63	4,064	—, 001	——	3	—36 36 53,68	,413	, 593	——
8425	Sagittarii 7.8	3	4 49,79	3,944	—, 001	+,012	4	—33 7 56,20	,424	, 575	+ ,11
8426	Sagittarii 8.9	4	5 1,36	3,667	—, 001	—,001	4	—24 2 17,11	,439	, 535	+ ,06
8427	Draconis 7	3	5 20,87	—0,066	+, 002	—,013	3	+66 55 23,83	,469	—,00009	+ ,08
8428	15 Sagittarii μ² 6	5	5 22,48	+3,578	—, 001	+,007	6	—20 46 8,13	,470	+,00522	— ,01
8429	16 —— 6	4	5 24,16	3,569	—, 001	+,028	7	—20 25 45,02	,473	, 521	+ ,03
8430	104 Herculis A 5	6	5 41,71	2,256	+, 001	+,008	6	+31 22 9,01	,499	, 330	+ ,07
8431	Telescopii var.	3	5 57,45	4,124	—, 001	,000	3	—38 13 26,86	,521	, 601	+ ,07
8432	Tauri Pon. 7.8	4	6 10,69	2,850	+, 001	+,004	4	+ 9 24 2,58	,541	, 415	+ ,16
8433	Telescopii β 4	5	6 27,91	4,071	—, 001	—,013	5	—36 48 6,96	,565	, 594	+ ,04
8434	17 Sagittarii 7	4	6 45,84	3,573	—, 001	+,003	5	—20 35 25,55	,591	, 521	+ ,01
8435	—— 7	3	6 56,60	3,792	—, 001	+,015	4	—28 19 52,77	,608	, 552	+ ,07
8436	Sagittarii 8	5	7 25,10	4,089	—, 001	—,003	5	—37 16 34,17	,648	, 596	+ ,08
8437	—— g 5.6	5	7 43,67	3,755	—, 001	+,009	4	—27 5 39,70	,677	, 547	+ ,06
8438	Clypei Sob. 7	5	7 48,04	3,518	—, 001	+,010	7	—18 30 50,70	,683	, 514	+ ,09
8439	Sagittarii 8	3	7 53,98	3,550	—, 001	+,003	4	—19 43 25,53	,691	, 518	+ ,09
8440	Pavonis 6.7	3	8 1,13	5,538	—, 003	——	3	—61 33 23,53	,701	, 808	——
8441	Pavonis 8	3	8 4,99	5,463	—, 003	——	3	—60 48 41,18	,708	, 798	——
8442	Draconis 8	3	8 19,59	0,575	+, 001	+,007	3	+61 50 30,63	,730	, 083	— ,04
8443	Clypei Sob. 7.8	3	8 51,05	3,362	, 000	+,008	3	—12 17 49,89	,774	, 492	+ ,11
8444	Tauri Pon. 7.8	4	9 19,45	2,787	, 000	+,009	4	+12 0 56,85	,814	, 406	+ ,02
8445	Telescopii 8	2	9 28,90	4,072	—, 001	——	2	—36 50 9,55	,829	, 594	——
8446	Clypei Sob. 8.9	4	9 30,82	3,472	, 000	+,007	3	—16 42 51,18	,832	, 507	+ ,10
8447	Sagittarii 7.8	3	9 49,23	4,156	—, 001	+,005	4	—39 4 57,83	,859	, 606	— ,11
8448	Tauri Pon. 7.8	2	10 11,74	2,792	, 000	+,003	4	+11 49 19,10	,892	, 407	,00
8449	19 Sagittarii δ 3.4	13	10 25,84	3,839	—, 001	+,007	6	—29 53 21,88	,913	, 560	,00
8450	68 —— 7.8	3	10 37,57	3,874	—, 001	—,005	3	—31 0 13,23	,930	, 565	+ ,07
8451	Clypei Sob. 6	7	10 39,05	3,451	, 000	——	8	—15 53 29,22	,932	, 505	——
8452	Telescopii π 6	3	10 55,97	4,142	—, 001	+,001	3	—38 43 20,97	,957	, 604	— ,16
8453	—— 9	6	10 58,21	4,980	—, 001	——	5	—55 1 41,33	,959	, 432	——
8454	1 —— A 7	3	11 42,69	4,068	—, 001	+,018	4	—36 44 16,91	1,025	, 594	— ,13
8455	—— 7	3	11 42,89	4,290	—, 002	+,004	3	—42 23 27,27	,025	, 627	— ,15
8456	Clypei Sob. 8.9	3	11 43,53	3,465	, 000	+,011	3	—16 26 31,93	,027	, 507	— ,19
8457	—— —— 8	2	11 48,05	3,465	, 000	+,001	4	—16 26 25,57	,033	, 507	— ,09
8458	—— —— 8.9	3	12 4,92	3,736	—, 001	+,012	4	—26 29 6,92	,057	, 545	— ,07
8459	Telescopii 8.9	3	12 9,32	5,141	—, 002	——	2	—57 10 4,13	,063	, 754	——
8460	—— 7	3	12 17,45	3,464	, 000	+,008	2	—16 23 35,28	,075	, 507	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8461	Telescopii σ 6	2	18 12 17,64	+4,369	—,00003	—,003	3	—44 10 57,32	1,076	+,00625	—0,18
8462	2 ——— A 6	3	12 20,18	4,052	, 003	+,009	4	—36 18 35,25	,080	, 592	— ,06
8463	40 Draconis 6.7	5	12 21,75	—4,478	, 029	+,038	2	+79 58 10,69	,082	—,00658	+ ,08
8464	105 Herculis G 5	6	12 23,37	+2,466	, 000	+,018	5	+24 22 56,81	,084	+,00360	— ,11
8465	Telescopii 7	3	12 23,60	4,890	, 005	——	3	—53 43 7,98	,084	, 718	——
8466	41 Draconis 7	6	12 28,25	—4,480	, 029	+,029	6	+79 58 22,81	,090	—,00658	+ ,09
8467	74 Ophiuchi r 6	4	12 38,00	+2,994	, 000	—,001	3	+ 3 18 36,34	,105	+,00437	— ,05
8468	58 Serpentis η 4	6	12 46,59	3,139	, 002	—,031	13	— 2 56 7,01	,119	, 459	— ,77
8469	36 Draconis 5	5	12 56,88	0,292	, 005	+,061	5	+64 20 31,47	,133	, 043	— ,04
8470	Sagittarii 7.8	5	13 6,78	3,985	, 003	+,011	4	—34 24 28,97	,147	, 582	— ,08
8471	20 Sagittarii ε 3	10	13 13,17	3,987	, 003	—,003	6	—34 27 13,70	,155	, 582	— ,28
8472	106 Herculis 5.6	5	13 19,32	2,534	, 001	+,020	6	+21 53 48,88	,164	, 369	— ,11
8473	441 ——— 7	3	13 29,98	2,313	, 002	+,009	3	+29 35 57,32	,181	, 338	— ,06
8474	——— 6.7	2	14 0,10	2,334	, 002	+,005	3	+28 54 53,08	,224	, 341	— ,09
8475	1 Lyræ 4.5	4	14 4,83	2,101	, 002	,000	6	+35 59 39,10	,232	, 307	— ,03
8476	Sagittarii 6	3	14 25,39	3,867	, 003	,000	5	—30 49 54,64	,260	, 564	— ,09
8477	Draconis 8.9	1	14 30,24	—0,331	, 007	—,054	3	+68 34 59,56	,268	—,00049	— ,09
8478	107 Herculis ι 6	4	14 34,96	+2,337	, 002	+,009	5	+28 47 47,13	,275	+,00342	,00
8479	444 ——— 6	7	14 35,31	2,307	, 002	—,012	6	+29 47 7,15	,275	, 337	— ,01
8480	Telescopii α 4.5	8	14 44,36	4,455	, 004	+,005	7	—46 3 1,31	,288	, 652	— ,29
8481	Herculis 5.6	3	15 16,13	2,499	, 002	——	2	+23 12 23,46	,334	, 364	——
8482	Serpentis 7.8	4	15 18,34	3,099	, 002	+,012	4	— 1 13 27,34	,337	, 453	— ,07
8483	21 Sagittarii 6	6	15 31,47	3,573	, 002	+,008	5	—20 37 19,33	,356	, 521	— ,05
8484	Telescopii 7	2	15 43,74	5,175	, 007	——	2	—57 36 50,61	,376	, 757	——
8485	Pavonis ν 5	4	15 57,63	5,619	, 008	——	5	—62 22 12,41	,396	, 822	——
8486	Telescopii ζ 5	3	16 7,11	4,614	, 004	——	6	—49 8 59,35	,409	, 674	——
8487	167 Draconis 6.7	6	16 14,07	—0,350	, 010	+,002	5	+68 41 45,26	,420	—,00050	— ,04
8488	Sagittarii 7	3	16 39,67	+3,954	, 003	—,004	3	—33 29 56,94	,456	+,00577	— ,04
8489	109 Herculis F 5.6	2	16 40,09	2,540	, 002	+,015	4	+21 42 1,20	,456	, 370	— ,36
8490	Tauri Pon. 7	3	17 1,44	2,954	, 002	+,013	4	+ 5 0 1,66	,487	, 432	+ ,02
8491	Telescopii 6.7	2	17 2,56	4,154	, 004	——	2	—39 5 9,96	,489	, 605	——
8492	——— r 8	2	17 27,48	6,120	, 013	——	2	—66 22 54,24	,525	, 895	——
8493	Pavonis 5.6	2	17 31,36	4,517	, 005	——	2	—47 18 55,66	,531	, 660	——
8494	22 Sagittarii λ 4	9	17 47,36	3,707	, 002	+,002	5	—25 30 16,84	,555	, 540	— ,20
8495	172 Draconis 6	2	17 56,29	—0,344	, 010	—,004	3	+68 40 31,28	,568	—,00050	— ,22
8496	Sagittarii 6	2	18 18,95	+3,498	, 002	——	—	—17 46 ——	,600	+,00510	——
8497	59 Serpentis d 5.6	8	18 46,28	3,069	, 002	+,011	13	+ 0 6 15,40	,641	, 448	— ,13
8498	Sagittarii 8	3	18 46,78	3,696	, 002	—,002	4	—25 8 13,36	,642	, 538	— ,09
8499	Lyræ μ 6.7	3	18 47,57	1,976	, 003	+,008	3	+39 25 17,43	,643	, 290	,00
8500	Telescopii 7.8	3	18 56,37	4,521	, 004	——	3	—47 24 48,80	,655	, 661	——
8501	Telescopii 8	2	19 1,47	5,272	, 008	——	2	—58 48 33,46	,661	, 768	——
8502	Sagittarii 8	2	19 7,83	3,958	, 003	+,028	3	—33 38 45,96	,671	, 577	— ,20
8503	——— 8.9	3	19 9,92	3,956	, 003	+,015	4	—33 35 36,37	,674	, 577	— ,07
8504	88 ——— 7	3	19 11,39	3,702	, 002	+,009	3	—25 21 12,29	,676	, 539	— ,05
8505	——— 8	7	19 11,94	3,941	, 003	+,009	7	—33 8 45,50	,677	, 575	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8506	Cor. Aust ν 7	2	18 19 19,00	+4,271	—,00005	+,009	3	—42 0 47,01	1,687	+,00623	—0,13
8507	Serpentis 8.9	4	19 23,53	3,069	, 001	+,009	4	+ 0 6 21,82	,694	, 448	— ,07
8508	Telescopii δ¹ 6	3	19 31,71	4,452	, 006	+,007	4	—46 0 56,98	,708	, 651	— ,13
8509	Clypei Sob. 5	12	19 47,62	3,420	, 001	——	11	—14 39 48,96	,731	, 499	——
8510	Telescopii δ² 6	3	19 49,67	4,444	, 005	—,001	3	—45 51 37,28	,734	, 650	— ,06
8511	Herculis 7.8	3	19 51,39	2,411	, 000	+,010	3	+26 22 7,01	,735	, 351	— ,04
8512	Draconis 7	3	20 1,07	—0,122	, 007	—,021	2	+67 21 14,17	,749	+,00017	— ,04
8513	Herculis 7.8	3	20 2,95	+2,411	, 000	+,012	5	+26 21 20,60	,752	+,00351	— ,02
8514	Sagittarii υ¹ 6	5	20 15,53	3,939	, 003	—,002	8	—33 5 22,15	,769	, 574	— ,17
8515	—— 8	3	20 19,17	3,669	, 002	+,008	4	—24 9 50,73	,775	, 534	— ,09
8516	Clypei Sob. 6.7	6	20 22,33	3,420	, 001	——	6	—14 40 57,99	,780	, 499	——
8517	Sagittarii 6	3	20 29,95	3,525	, 001	+,008	4	—18 49 32,34	,792	, 514	— ,10
8518	Telescopii 8	2	20 56,60	4,918	, 007	——	2	—54 11 49,44	,831	, 721	——
8519	60 Serpentis c, 6	4	21 6,14	3,119	, 001	+,025	8	— 2 5 9,47	,844	, 455	— ,18
8520	Telescopii 7.8	3	21 15,00	4,838	, 008	——	3	—53 0 5,89	,857	, 709	——
8521	39 Draconis b 5	4	21 30,23	0,881	, 003	+,001	6	+58 42 25,13	,879	, 128	+ ,03
8522	Sagittarii 7.8	3	21 34,60	3,937	, 005	+,007	5	—33 2 47,09	,886	, 574	— ,07
8523	—— 7	3	21 38,41	3,529	, 002	—,003	2	—19 0 20,24	,891	, 514	— ,20
8524	Telescopii 7.8	2	21 42,09	4,806	, 008	——	2	—52 29 52,60	,896	, 704	——
8525	Cor. Aust θ 7	2	21 43,27	4,287	, 005	+,011	3	—42 25 19,54	,897	, 626	— ,13
8526	Sagittarii 6.7	3	21 44,16	3,513	, 001	+,019	4	—18 22 8,30	,899	, 512	— ,09
8527	—— 6	8	21 46,45	3,516	, 001	+,012	8	—18 30 29,25	,901	, 512	— ,15
8528	Cor. Aust χ 6	3	21 59,63	4,143	, 004	—,020	6	—38 50 4,16	,921	, 603	— ,04
8529	—— —— 8	5	22 0,36	4,143	, 004	+,002	2	—38 49 46,47	,922	, 603	— ,10
8530	Sagittarii 7	3	22 10,39	3,535	, 002	+,008	1	—19 14 1,19	,936	, 515	— ,14
8531	Telescopii 9.10	1	22 29,35	5,260	, 009	——	1	—58 42 19,24	,965	, 766	——
8532	Herculis H 6	4	22 45,33	2,485	, 001	+,017	5	+23 45 40,92	,988	, 362	— ,04
8533	101 Sagittarii 7	3	22 46,65	3,531	, 002	+,007	4	—19 4 57,15	,992	, 515	— ,05
8534	Telescopii 7	1	22 47,57	5,069	, 007	——	1	—56 20 30,37	,993	, 742	——
8535	Urs. Min. 7.8	2	22 54,42	—14,482	, 398	—,018	1	+85 39 55,35	2,002	—,02105	+ ,60
8536	Pavonis 9	3	22 57,62	+5,922	, 017	——	2	—64 59 15,23	,007	+,00878	——
8537	Draconis φ 7	3	23 6,77	—0,848	, 011	+,011	4	+71 14 56,01	,020	—,00125	+ ,03
8538	Sagittarii υ² 6.7	5	23 8,16	+3,939	, 004	+,001	3	—33 7 48,47	,022	+,00574	— ,10
8539	—— 7	8	23 9,39	3,669	, 003	+,010	12	—24 13 19,59	,023	, 534	— ,09
8540	—— 7.8	3	23 15,98	3,938	, 004	+,004	2	—33 4 33,25	,033	, 574	— ,15
8541	Clypei Sob. s¹ 6.7	6	23 18,11	3,427	, 002	+,003	5	—14 58 39,41	,036	, 500	— ,03
8542	61 Serpentis e 6	6	23 25,99	3,097	, 001	+,005	5	— 1 6 48,27	,048	, 451	— ,06
8543	Sagittarii 7	4	23 30,34	3,516	, 002	+,009	4	—18 28 53,50	,054	, 512	— ,12
8544	Pavonis ζ 4	2	23 42,41	7,059	, 011	——	2	—71 33 14,96	,071	,01026	——
8545	Sagittarii 8	3	23 42,56	3,670	, 002	+,003	1	—24 14 19,89	,072	,00534	— ,15
8546	24 Sagittarii 6.7	2	23 48,84	3,667	, 002	+,001	3	—24 8 50,88	,081	,00534	— ,14
8547	44 Draconis χ 4.5	4	24 1,51	—1,188	, 013	+,126	9	+72 39 34,50	,100	—,00173	— ,38
8548	Clypei Sob. s² 6.7	5	24 13,61	+3,426	, 002	+,013	3	—14 58 6,92	,118	+,00500	— ,05
8549	105 Sagittarii 7	4	24 27,13	3,672	, 002	+,004	3	—24 20 24,59	,136	, 534	— ,05
8550	—— 6.7	2	24 37,55	3,935	, 003	+,001	2	—33 0 39,78	,152	, 573	— ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8551	Telescopii 7.8	3	18 24 45,03	+5,306	—,00009	——	2	—59 14 42,48	2,162	+,00771	——
8552	184 Draconis 7.8	2	25 30,10	0,160	, 005	+,014	3	+65 27 42,16	,227	, 028	—0,08
8553	Sagittarii 7.8	3	25 30,80	3,580	, 002	+,029	4	—20 57 43,80	,228	, 521	— ,17
8554	23 Urs. Min. ε 3	83	25 32,04	—19,224	, 698	+,106	6	+86 35 18,83	,230	—,02787	+ ,10
8555	Sagittarii 7.8	3	25 34,03	+3,480	, 002	+,013	4	—17 6 25,54	,232	+,00507	— ,13
8556	Sagittarii 7	3	25 39,68	3,538	, 002	+,004	5	—19 23 24,14	,240	, 515	— ,07
8557	Clypei Sob. q 6	3	25 52,26	3,332	, 002	+,006	4	—11 5 55,13	,258	, 486	— ,04
8558	Herculis 6	3	25 54,24	2,493	, 001	+,008	3	+23 29 55,89	,261	, 363	— ,02
8559	1 Aquilæ m 5.6	5	26 13,79	3,266	, 002	+,010	5	— 8 21 7,72	,291	, 476	— ,07
8560	Sagittarii 8.9	2	26 41,05	3,818	, 003	+,009	4	—29 21 51,91	,330	, 555	— ,07
8561	Telescopii 7.8	3	26 45,03	4,548	, 008	——	3	—48 2 33,24	,335	, 663	——
8562	Sagittarii 8.9	2	26 47,04	3,825	, 004	—,006	3	—29 36 2,07	,339	, 556	+ ,02
8563	Clypei Sob. 7	5	27 7,22	3,485	, 002	+,009	4	—17 20 0,79	,367	, 508	+ ,01
8564	Lyræ 8	2	27 12,17	2,005	, 002	+,028	3	+38 44 40,19	,374	, 293	— ,11
8565	42 Clypei Sob. 6.7	3	27 14,90	3,231	, 002	+,009	3	— 6 52 4,31	,379	, 471	— ,09
8566	Lyræ 7.8	2	27 20,15	2,007	, 002	+,009	3	+38 42 58,89	,387	, 293	— ,20
8567	Sagittarii 7	5	27 23,98	3,537	, 002	+,016	5	—19 20 16,84	,392	, 515	— ,00
8568	—— 7.8	2	27 39,37	3,954	, 004	+,008	4	—33 36 38,98	,413	, 575	— ,08
8569	—— 6.7	5	28 1,66	3,595	, 003	+,003	4	—21 31 34,54	,447	, 522	— ,09
8570	Clypei Sob. 7	3	28 16,68	3,486	, 003	+,002	4	—17 21 48,46	,468	, 598	— ,02
8571	Sagittarii 6	5	28 28,83	3,652	, 003	+,011	5	—23 38 14,85	,486	, 531	— ,09
8572	Herculis 6	5	28 38,15	2,495	, 001	+,005	5	+23 28 38,63	,499	, 363	— ,01
8573	Clypei Sob. 8	3	28 46,39	3,245	, 002	+,018	4	— 7 27 57,18	,510	, 472	— ,05
8574	Telescopii 7	3	29 0,95	4,557	, 009	——	3	—48 13 50,49	,532	, 664	——
8575	Sagittarii 6.7	6	29 3,15	3,585	, 004	+,002	4	—21 10 49,32	,535	, 521	— ,17
8576	35 Lyræ 7	3	29 7,90	1,692	, 002	+,008	3	+46 5 34,84	,543	, 245	+ ,03
8577	Pavonis 5	3	29 14,19	5,918	, 021	——	7	—65 0 46,21	,552	, 863	——
8578	Tauri Pon. 7.8	4	29 29,71	2,806	, 001	+,008	1	+11 17 19,08	,574	, 407	— ,19
8579	—— —— 7.8	6	29 37,07	2,808	, 001	+,018	4	+11 13 18,33	,583	, 407	— ,07
8580	Draconis d 6	3	29 43,58	1,036	, 003	+,003	4	+56 55 18,49	,592	, 147	+ ,03
8581	37 Lyræ 7	4	29 50,07	2,004	, 002	+,002	3	+38 45 53,50	,603	, 293	— ,06
8582	Sagittarii 8	3	30 24,90	3,857	, 005	+,001	3	—30 40 11,46	,653	, 560	— ,16
8583	Tauri Pon. 8	2	30 39,61	3,119	, 002	+,020	2	— 2 5 23,36	,674	, 454	— ,07
8584	3 Lyræ α 1	114	31 21,16	2,013	, 002	+,024	156	+38 38 1,82	,735	, 294	+ ,20
8585	—— 7	3	31 28,30	1,806	, 002	+,012	3	+43 39 40,18	,744	, 261	— ,18
8586	Clypei Sob. 8	3	31 31,09	3,417	, 003	+,012	3	—14 39 0,49	,748	, 497	— ,06
8587	82 Urs. Min. 6.7	3	31 44,23	—21,922	,01148	+,001	3	+86 57 57,86	,768	—,03183	+ ,36
8588	26 Sagittarii 6	9	31 47,80	+3,660	,00004	+,010	9	—23 58 44,56	,774	+,00532	— ,06
8589	Clypei Sob 7	4	32 18,76	3,419	, 003	+,015	1	—14 42 44,51	,818	, 497	— ,14
8590	Pavonis θ 5	3	32 28,27	5,941	, 024	——	1	—65 13 55,53	,824	, 863	——
8591	Cor. Aust λ 6	3	32 27,71	4,123	, 006	+,007	4	—38 28 21,48	,831	, 597	— ,07
8592	Lyræ 8	3	32 36,40	2,112	, 002	+,006	2	+35 54 46,38	,843	, 307	— ,17
8593	43 —— 7	3	32 39,32	1,979	, 002	+,001	2	+39 31 35,06	,847	, 289	— ,04
8594	Telescopii 7	3	33 1,36	4,707	, 010	——	3	—51 1 46,78	,879	, 685	——
8595	—— 7.8	5	33 6,05	4,562	, 009	——	5	—48 25 16,45	,886	, 664	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
8596	2 Aquilæ	ο 5	6	18 33 14,45	+3,285	—,00004	+,009	6	— 9 12 11,26	2,898	+,00477	—0,08
8597	13 Cor. Aust.	6.7	3	33 15,88	4,025	, 008	—,003	3	—35 47 42,50	,900	, 584	— ,17
8598	Aquilæ	8	3	33 22,53	3,245	, 004	+,017	4	— 7 29 16,75	,912	, 471	— ,04
8599	14 Cor. Aust.	6.7	4	33 29,27	4,175	, 008	—,021	4	—39 50 32,54	,920	, 604	— ,11
8600	—— ——	7	4	33 31,06	4,177	, 008	—,026	5	—39 53 56,00	,923	, 604	— ,33
8601	Tauri Pon.	7.8	3	33 48,29	2,788	, 003	+,009	3	+12 5 9,15	,947	, 405	— ,06
8602	—— ——	7.8	5	34 9,61	2,788	, 003	+,013	3	+12 6 14,02	,978	, 405	— ,09
8603	Telescopii	6.7	3	34 11,45	4,661	, 014	——	3	—50 15 16,32	,979	, 676	——
8604	3 Aquilæ	n 5.6	4	34 32,02	3,267	, 004	+,002	5	— 8 25 51,23	3,011	, 474	+ ,04
8605	Clypei Sob.	7	3	34 34,72	3,269	, 004	—,004	4	— 8 31 24,10	,015	, 474	— ,05
8606	48 Lyræ	7	2	34 36,52	2,030	, 003	+,015	3	+38 13 4,33	,017	, 296	— ,06
8607	Sagittarii	s 6	5	34 41,04	3,692	, 006	+,009	4	—25 10 7,60	,024	, 535	— ,16
8608	Telescopii	7.8	6	34 41,77	4,635	, 014	——	6	—49 47 31,70	,025	, 672	——
8609	Draconis	7	2	35 5,38	1,367	, 006	+,008	3	+52 11 45,54	,059	, 195	— ,08
8610	27 Sagittarii	φ 4.5	7	35 20,81	3,749	, 006	+,005	5	—27 9 8,03	,081	, 543	— ,06
8611	Draconis	7	3	35 41,34	0,193	, 013	+,009	4	+65 20 28,65	,111	, 028	+ ,01
8612	Tauri Pon.	7.8	3	35 56,79	2,876	, 003	+,011	4	+ 8 28 0,95	,134	, 417	— ,10
8613	Draconis	7	3	36 3,73	0,547	, 010	+,012	3	+62 22 38,17	,142	, 081	— ,04
8614	193 ——	7	2	36 5,35	1,378	, 005	+,016	4	+52 2 35,91	,143	, 197	,00
8615	Cor. Aust.	μ 6	2	36 12,36	4,202	, 010	+,014	3	—40 34 21,61	,155	, 608	— ,12
8616	130 Sagittarii	7	2	36 16,43	3,545	, 005	—,001	4	—19 46 14,82	,160	, 513	— ,03
8617	28 ——	6	7	36 23,60	3,620	, 006	+,004	5	—22 33 26,16	,173	, 524	— ,09
8618	4 Aquilæ	5.6	4	36 30,37	3,027	, 004	+,004	5	+ 1 53 56,78	,181	, 440	— ,05
8619	Lyræ	7	5	36 33,73	2,098	, 003	+,005	7	+36 23 38,75	,186	, 305	— ,09
8620	Antinoi	8.9	1	36 47,27	3,149	, 004	+,002	4	— 3 23 41,54	,206	, 457	— ,10
8621	Pavonis	λ 5	8	36 54,54	5,592	, 023	——	7	—62 21 48,75	,216	, 811	——
8622	Cor. Aust.	η¹ 6	2	36 55,64	4,339	, 012	—,002	4	—43 51 0,98	,219	, 630	— ,28
8623	Antinoi	7.8	3	37 11,26	3,219	, 004	+,019	3	— 6 25 4,95	,240	, 467	— ,16
8624	198 Draconis	7	3	37 13,48	—1,056	, 025	+,017	6	+72 16 7,39	,242	—,00156	+ ,03
8625	Cor. Aust.	η² 6	3	37 42,50	+4,328	, 012	,000	4	—43 36 24,87	,286	+,00627	— ,28
8626	55 Lyræ	7	7	37 49,24	2,099	, 003	+,012	6	+36 23 27,89	,295	, 305	— ,04
8627	Serpentis	n 6.7	3	37 57,35	3,097	, 004	+,003	3	— 1 7 43,65	,307	, 450	— ,12
8628	133 Sagittarii	8	3	38 5,03	3,563	, 006	+,004	4	—20 26 43,66	,319	, 516	— ,10
8629	Draconis	8	3	38 11,61	0,410	, 005	—,012	4	+63 38 18,75	,328	, 063	— ,04
8630	6 Aquilæ	l 5.6	5	38 25,12	3,184	, 004	+,002	5	— 4 55 4,32	,347	, 462	— ,12
8631	Lyræ	7	3	38 30,61	2,027	, 003	—,009	4	+38 22 3,34	,355	, 295	— ,06
8632	110 Herculis	K 5	7	38 33,64	2,581	, 003	+,011	5	+20 23 38,31	,359	, 374	— ,38
8633	Draconis	7	6	38 48,69	—1,042	, 026	+,015	4	+72 13 48,99	,381	—,00149	+ ,02
8634	4 Lyræ	ε 5	2	38 52,53	+1,984	, 003	+,015	8	+39 30 6,25	,387	+,00290	— ,01
8635	5 ——	5	7	38 54,80	1,987	, 003	+,024	6	+39 26 37,26	,389	, 290	,00
8636	Sagittarii	8.9	3	39 4,14	3,559	, 006	+,018	4	—20 19 41,38	,402	, 514	— ,05
8637	6 Lyræ	ζ¹ 5	4	39 5,18	2,062	, 003	+,004	5	+37 26 14,32	,405	, 300	+ ,02
8638	——	ζ² 6	3	39 7,34	2,062	, 003	+,010	1	+37 25 37,40	,407	, 300	+ ,03
8639	——	8	3	39 8,28	2,154	, 003	—,006	3	+34 50 24,97	,409	, 313	+ ,05
8640	46 Draconis	C 5	5	39 25,88	1,163	, 007	—,002	6	+55 22 28,01	,435	, 163	— ,09

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ +	″	″
8641	Telescopii K¹ 6	2	18 39 33,81	+4,775	—,00018	——	2	—52 17 15,03	3,445	+,00694	——
8642	Lyræ 6.7	3	39 34,56	2,100	, 003	—,002	3	+36 23 51,13	,447	, 305	—0,08
8643	111 Herculis M 5.6	5	39 44,24	2,643	, 003	+,013	4	+18 0 11,71	,461	, 383	+ ,03
8644	29 Sagittarii r 6	5	39 53,22	3,563	, 006	+,023	5	—20 30 16,58	,473	, 515	— ,03
8645	Draconis 9.10	5	39 53,80	1,127	, 008	+,040	2	+55 53 7,44	,474	, 158	— ,10
8646	Telescopii K² 7	3	40 8,41	4,763	, 018	——	3	—52 7 2,58	,495	, 692	——
8647	Cor. Aust. 8	2	40 9,54	4,875	, 013	——	2	—44 43 9,93	,498	, 634	——
8648	Sagittarii 7.8	3	40 21,41	3,740	, 008	+,010	3	—26 57 2,40	,513	, 541	— ,13
8649	Telescopii 6.7	2	40 32,08	4,561	, 011	——	2	—48 32 40,65	,529	, 660	——
8650	Cor. Aust. 6.7	3	40 32,19	4,252	, 012	——	3	—41 53 33,33	,529	, 614	——
8651	Sagittarii 8	3	40 44,47	3,615	, 007	,000	3	—22 26 53,74	,547	, 523	— ,05
8652	Antinoi 7	2	40 51,27	3,212	, 004	+,012	2	— 6 5 33,16	,556	, 465	— ,06
8653	30 Sagittarii 6	3	40 55,35	3,612	, 007	+,004	5	—22 20 36,43	,561	, 522	— ,10
8654	Lyræ 8	3	41 15,39	2,358	, 003	+,003	2	+28 27 58,84	,590	, 341	,00
8655	485 Herculis 6.7	3	41 41,82	2,614	, 003	+,015	3	+19 8 55,37	,629	, 379	— ,20
8656	Telescopii 7	5	41 49,15	4,642	, 016	——	5	—50 4 11,03	,639	, 671	——
8657	Antinoi 8	3	41 53,94	3,302	, 005	+,005	3	— 9 57 32,14	,646	, 478	— ,06
8658	31 Sagittarii 6	6	42 13,48	3,605	, 007	+,008	4	—22 6 26,76	,673	, 520	— ,13
8659	Antinoi 8	3	42 17,13	3,220	, 004	+,010	3	— 6 27 53,33	,680	, 466	— ,03
8660	Lyræ 7.8	3	42 19,36	2,230	, 003	+,005	2	+32 35 50,69	,682	, 322	— ,10
8661	Draconis 8	2	42 22,34	—1,175	, 028	+,001	2	+72 47 46,01	,686	—,00169	— ,03
8662	8 Aquilæ 7	3	42 26,04	+3,150	, 004	—,017	4	— 3 26 40,05	,693	+,00457	— ,15
8663	Draconis 7	3	42 38,28	0,624	, 013	—,009	2	+61 45 55,07	,710	, 092	+ ,02
8664	Herculis 8.9	3	42 41,05	2,494	, 003	+,017	2	+23 42 45,78	,714	, 360	— ,11
8665	9 Aquilæ 6.7	3	42 42,36	3,151	, 004	—,007	3	— 3 30 12,92	,715	, 457	— ,07
8666	Sagittarii 9	3	43 15,47	3,531	, 006	+,019	3	—19 18 37,38	,762	, 510	— ,05
8667	Draconis 7	2	43 32,30	0,852	, 011	+,028	4	+59 22 48,50	,787	, 124	— ,13
8668	Lyræ ν¹ 7	2	43 37,19	2,230	, 003	—,004	4	+32 37 38,49	,793	, 321	— ,01
8669	——— ν² 6	3	43 43,13	2,239	, 003	+,005	3	+32 21 53,20	,802	, 323	— ,10
8670	Pavonis ω 6	3	43 55,32	5,382	, 026	——	3	—60 24 19,05	,819	, 773	——
8671	Telescopii 7.8	3	43 57,26	4,591	, 016	——	3	—49 11 26,71	,823	, 663	——
8672	10 Lyræ β 3	60	43 59,41	2,213	, 003	+,020	65	+33 10 30,69	,826	, 319	— ,13
8673	——— 8.9	3	44 1,46	2,213	, 003	+,015	2	+33 9 52,00	,828	, 319	— ,07
8674	33 Sagittarii 6	6	44 8,36	3,589	, 007	+,004	6	—21 33 14,28	,839	, 517	— ,05
8675	Cor. Aust. 7	6	44 11,57	4,081	, 011	——	3	—37 35 6,34	,844	, 588	——
8676	32 Sagittarii ν¹ 5	9	44 12,43	3,626	, 007	+,008	5	—22 56 26,14	,844	, 523	— ,11
8677	Draconis 7	3	44 32,40	0,875	, 010	+,036	4	+59 8 45,68	,873	, 127	— ,08
8678	Sagittarii 8	3	44 58,14	3,810	, 009	+,014	5	—29 24 45,23	,910	, 549	,00
8679	34 ——— σ 3	5	45 1,91	3,725	, 008	+,013	5	—26 29 34,95	,916	, 537	— ,04
8680	35 ——— ν² 5	4	45 8,38	3,624	, 007	+,005	5	—22 52 11,37	,925	, 523	— ,11
8681	Draconis 7	3	45 10,46	1,025	, 009	+,006	3	+57 20 24,60	,927	, 145	+ ,05
8682	112 Herculis N 5.6	3	45 13,51	2,562	, 003	+,013	5	+21 13 54,13	,933	, 369	— ,07
8683	Telescopii λ 6.7	3	45 15,05	4,821	, 021	——	3	—53 8 46,10	,935	, 698	——
8684	Cor. Aust. π 6.7	2	45 19,28	4,342	, 014	——	2	—44 7 9,37	,940	, 627	——
8685	——— ——— 6	4	45 28,79	4,079	, 011	+,014	3	—37 32 42,81	,955	, 587	— ,17

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
8686	Sagittarii	6	7	18 46 1,30	+3,638	—,00008	+,010	9	—23 22 33,91	4,000	+,00524	—0,09
8687	Telescopii	7.8	1	46 23,10	4,563	, 017	——	1	—48 42 53,40	,034	, 658	——
8688	Sagittarii	7	2	46 34,87	3,636	, 008	+,008	1	—23 21 0,79	,049	, 524	— ,23
8689	Telescopii	7.8	4	46 43,11	4,957	, 023	——	4	—55 13 46,21	,060	, 719	——
8690	Lyræ	8	2	47 15,12	1,828	, 004	+,020	3	+43 30 41,99	,106	, 263	— ,18
8691	Herculis	7.8	4	47 20,66	2,591	, 003	+,025	4	+20 9 24,70	,115	, 373	— ,06
8692	Telescopii	8	2	47 20,87	4,603	, 018	——	2	—49 29 6,38	,115	, 662	——
8693	62 Serpentis	6	3	47 25,10	2,924	, 003	+,015	5	+ 6 24 54,51	,122	, 423	— ,03
8694	36 Sagittarii	ξ^1 6	6	47 32,12	3,570	, 008	+,009	4	—20 51 52,66	,130	, 514	— ,12
8695	Cor. Aust.	ε^1 6	6	47 35,44	4,068	, 012	—,006	4	—37 18 50,98	,134	, 585	— ,23
8696	Cor. Aust.	ε^2	—	47 ——	4,067	, 012	——	1	—37 16 45,57	,	, 585	——
8697	113 Herculis	O 5	5	47 47,39	2,531	, 003	+,014	5	+22 26 29,11	,152	, 363	— ,03
8698	37 Sagittarii	ξ^2 5	1	47 52,62	3,581	, 008	—,006	4	—21 18 57,51	,160	, 515	— ,09
8699	Lyræ	δ^1 6	2	47 57,81	2,094	, 003	+,007	3	+36 46 10,27	,167	, 301	— ,05
8700	——	8	2	47 58,11	1,829	, 003	+,014	6	+43 30 49,36	,167	, 263	— ,12
8701	63 Serpentis	θ^1 4.5	3	48 1,20	2,980	, 004	+,011	5	+ 3 59 41,27	,171	, 431	— ,07
8702	——	θ^2 5	3	48 2,52	2,980	, 004	+,008	1	+ 3 59 39,19	,174	, 431	— ,04
8703	——	6.7	1	48 7,51	3,019	, 004	+,020	4	+ 2 15 50,78	,182	, 437	— ,11
8704	Sagittarii	7.8	3	48 11,26	4,549	, 019	——	3	—48 29 58,90	,186	, 655	——
8705	9 Aquilæ	*k* 5.6	6	48 13,59	3,210	, 005	+,004	1	— 6 3 14,01	,190	, 463	— ,15
8706	163 Sagittarii	7	3	48 23,34	3,563	, 008	+,009	4	—20 38 6,33	,204	, 512	,00
8707	Serpentis	7	4	48 25,88	2,978	, 004	+,012	5	+ 4 3 37,22	,208	, 431	— ,22
8708	12 Lyræ	δ^2 5	5	48 44,30	2,097	, 003	+,017	5	+36 41 35,24	,234	, 302	— ,04
8709	Draconis	o^1 8.9	3	48 44,58	0,879	, 010	—,002	3	+59 11 48,25	,235	, 127	— ,02
8710	47 ——	o^2 5	2	48 45,73	0,879	, 010	+,018	6	+59 11 20,79	,236	, 127	+ ,08
8711	64 Serpentis	6	2	48 58,90	3,018	, 004	+,009	5	+ 2 19 30,55	,255	, 437	— ,08
8712	Telescopii	8	3	49 12,31	5,174	, 028	——	2	—58 8 43,21	,283	, 746	——
8713	Sagittarii	8.9	2	49 38,50	3,773	, 010	+,018	4	—28 16 3,65	,311	, 542	— ,01
8714	Telescopii	7.8	4	49 51,09	5,175	, 028	——	4	—58 11 10,56	,328	, 746	——
8715	Cor. Aust.	7	4	49 54,46	4,065	, 012	——	2	—37 16 49,66	,332	, 583	——
8716	Lyræ	π 5.6	3	50 18,76	1,822	, 004	+,015	3	+43 43 54,62	,368	, 262	— ,02
8717	214 Draconis	7	3	50 25,94	1,588	, 006	,000	4	+48 39 21,44	,379	, 228	— ,18
8718	Sagittarii	7	2	50 41,33	4,656	, 021	——	2	—50 32 31,69	,399	, 669	——
8719	——	7	2	50 53,02	4,484	, 018	——	2	—47 16 19,44	,416	, 644	——
8720	Aquilæ	8	4	50 59,74	3,140	, 005	+,010	4	— 3 3 16,81	,426	, 454	— ,08
8721	10 Aquilæ	6	7	51 12,50	2,754	, 003	+,002	7	+13 41 25,79	,443	, 396	— ,25
8722	Sagittarii	8	4	51 24,77	3,636	, 009	+,017	2	—23 27 7,87	,462	, 522	— ,05
8723	Cor. Aust.	ζ 5.6	6	51 25,57	4,258	, 014	+,025	7	—42 19 13,71	,464	, 611	— ,28
8724	Draconis	7	4	51 29,55	—1,638	, 050	+,091	4	+74 31 32,92	,469	—,00232	+ ,02
8725	20 Aquilæ	5.6	2	51 29,95	+2,760	, 003	+,004	4	+13 24 33,57	,469	+,00397	— ,14
8726	Draconis	*l* 6.7	2	51 38,88	—1,874	, 055	+,020	3	+75 14 8,13	,482	—,00270	+ ,03
8727	Sagittarii	6.7	8	51 40,90	+3,622	, 009	+,006	7	—22 55 11,68	,485	+,00520	+ ,05
8728	Aquilæ	7.8	3	51 42,92	2,724	, 003	+,021	4	+14 54 34,98	,487	, 392	— ,11
8729	Draconis	7	2	51 52,07	1,695	, 005	+,003	3	+46 33 9,09	,500	, 242	— ,03
8730	38 Sagittarii	ζ 3.4	6	52 6,67	3,826	, 010	—,004	8	—30 6 27,69	,522	, 548	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8731	Sagittarii 7	4	18 52 7,64	+3,432	—,00007	+,010	5	—15 30 28,58	4,524	+,00492	—0,02
8732	13 Aquilæ ε 3.4	6	52 8,30	2,726	, 003	+,017	5	+14 50 52,23	,524	, 391	— ,37
8733	Sagittarii 6.7	3	52 21,76	3,680	, 009	+,011	6	—25 3 59,02	,543	, 528	— ,21
8734	Aquilæ 8.9	3	52 26,11	2,730	, 003	+,013	4	+14 41 21,32	,550	, 392	— ,10
8735	14 Lyræ γ 3	30	52 46,35	2,243	, 003	+,013	47	+32 28 2,94	,577	, 321	— ,09
8736	Lyræ 7.8	3	52 49,52	2,001	, 003	+,006	3	+39 25 20,63	,583	, 289	— ,06
8737	12 Aquilæ ι 5.6	3	52 52,22	3,207	, 005	+,001	3	— 5 57 52,07	,585	, 462	— ,13
8738	Lyræ 7	2	52 57,49	1,996	, 003	+,004	4	+39 33 25,85	,593	, 288	— ,10
8739	103 ——— 7.8	2	52 59,37	2,275	, 003	+,003	4	+31 27 29,03	,596	, 324	— ,03
8740	Telescopii φ 6.7	3	53 15,51	4,771	, 023	——	3	—52 34 21,79	,619	, 687	——
8741	Lyræ λ 5.6	2	53 47,24	2,261	, 003	+,004	3	+31 55 7,77	,664	, 323	— ,08
8742	Sagittarii S 6	4	53 49,17	3,861	, 010	+,002	5	—31 16 48,64	,667	, 553	— ,05
8743	496 Herculis 6.7	3	53 52,85	2,621	, 003	+,013	3	+19 4 53,96	,672	, 376	— ,10
8744	48 Draconis 6	3	53 57,14	1,022	, 011	—,001	6	+57 35 53,73	,678	, 144	— ,04
8745	Sagittarii 7	3	54 10,63	4,652	, 021	——	3	—50 33 41,98	,698	, 665	——
8746	14 Aquilæ g 7	3	54 13,23	3,160	, 005	+,007	5	— 3 55 53,69	,700	, 456	— ,09
8747	Antinoi 8	5	54 15,01	3,092	, 005	+,007	5	— 0 56 15,14	,703	, 447	— ,17
8748	——— 8	2	54 15,99	3,092	, 005	+,006	3	— 0 56 34,93	,704	, 447	— ,07
8749	Sagittarii A 7	2	54 28,97	4,542	, 020	——	2	—48 32 20,08	,724	, 650	——
8750	Lyræ 7	3	54 40,97	2,064	, 003	,000	3	+37 46 2,79	,740	, 296	— ,15
8751	Sagittarii 8.9	3	54 42,71	3,678	, 009	+,003	4	—25 3 7,97	,742	, 526	— ,04
8752	222 Draconis 6	2	54 44,94	0,992	, 011	+,003	3	+57 59 58,85	,746	, 140	— ,07
8753	Lyræ 8.9	3	54 46,05	1,691	, 006	+,002	4	+46 43 36,66	,747	, 241	— ,13
8754	39 Sagittarii ο 4.5	9	54 47,42	3,595	, 008	+,004	7	—21 58 31,10	,749	, 514	— ,13
8755	Pavonis 8.9	3	55 7,88	5,510	, 037	——	3	—61 57 53,86	,779	, 799	——
8756	Telescopii 6.7	4	55 11,52	4,993	, 027	——	4	—55 57 38,46	,784	, 719	——
8757	Cor. Aust. γ 5	5	55 15,76	4,060	, 013	+,018	7	—37 17 29,15	,789	, 581	— ,39
8758	Aquilæ 8.9	3	55 29,28	3,094	, 005	+,010	4	— 1 1 51,80	,809	, 446	— ,09
8759	Sagittarii 7	3	55 32,21	3,674	, 009	+,017	3	—24 54 52,82	,812	, 526	— ,25
8760	110 Lyræ 6.7	2	55 42,57	2,216	, 003	+,012	4	+33 23 19,81	,827	, 316	— ,02
8761	Aquilæ 8	3	55 53,55	2,862	, 004	+,010	4	+ 9 7 58,22	,843	, 411	— ,08
8762	Sagittarii 8	3	56 2,15	3,747	, 010	+,010	3	—27 31 44,81	,855	, 535	— ,14
8763	15 Aquilæ h 6	3	56 15,04	3,168	, 005	+,011	6	— 4 16 12,52	,873	, 456	— ,08
8764	52 Draconis υ 5	1	56 22,42	—0,712	, 031	—,004	5	+71 4 29,95	,883	—,00102	— ,02
8765	Lyræ 8.9	3	56 28,01	+2,073	, 003	+,007	3	+37 34 33,84	,892	+,00297	— ,15
8766	40 Sagittarii τ 4	4	56 38,18	3,757	, 010	+,006	5	—27 54 12,73	,906	, 537	— ,29
8767	Aquilæ 7	3	56 44,61	3,098	, 005	+,001	4	— 1 10 37,01	,916	, 446	— ,08
8768	114 Lyræ 5.6	6	56 46,33	1,695	, 007	+,013	3	+46 42 14,04	,917	, 241	— ,14
8769	Cor. Aust. δ 5	2	56 51,23	4,188	, 015	—,001	5	—40 44 37,61	,924	, 597	— ,18
8770	Sagittarii 6.7	5	57 2,72	3,615	, 010	+,002	1	—22 44 35,05	,941	, 516	— ,09
8771	Sagiittarii 7	8	57 7,32	3,786	, 011	+,005	6	—28 52 59,47	,947	, 540	— ,04
8772	Aquilæ 7	3	57 17,59	2,857	, 004	+,018	4	+ 9 23 57,98	,963	, 409	— ,05
8773	227 Draconis 6 7	3	57 27,28	1,192	, 009	+,008	3	+55 25 25,52	,976	, 166	— ,10
8774	16 Aquilæ λ 3	8	57 29,50	3,187	, 006	+,007	7	— 5 7 24,54	,980	, 458	— ,18
8775	——— 6.7	3	57 44,73	2,928	, 004	+,004	3	+ 6 18 19,27	5,000	, 421	— ,23

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8776	17 Aquilæ ζ 3	63	18 57 49,70	+2,757	—,00004	+,008	61	+13 37 26,46	5,008	+,00394	—0,22
8777	——— 8	3	57 54,33	2,854	, 004	—,001	3	+ 9 31 34,91	,014	, 409	— ,10
8778	Sagittarii 7	5	58 9,56	3,672	, 010	+,005	4	—24 54 25,69	,036	, 524	— ,03
8779	Cor. Aust. α 5	6	58 14,56	4,088	, 014	+,018	8	—38 9 9,19	,043	, 583	— ,18
8780	Antinoi 7	3	58 28,76	3,188	, 006	+,007	2	— 5 8 49,23	,063	, 458	— ,13
8781	Sagittarii 6.7	5	58 34,98	3,530	, 009	———	5	—19 32 29,37	,072	, 502	———
8782	Lyræ 7	4	58 36,70	2,309	, 004	+,008	3	+30 29 23,35	,074	, 328	— ,05
8783	Cor. Aust. β 5	1	58 40,28	4,141	, 015	+,005	6	—39 35 38,80	,079	, 590	— ,16
8784	Lyræ 7.8	3	58 43,00	2,065	, 004	+,017	5	+37 51 45,73	,083	, 295	— ,07
8785	——— 8	2	59 11,77	2,043	, 004	+,005	2	+38 29 45,87	,124	, 292	— ,13
8786	18 Aquilæ 5.6	3	59 12,77	2,824	, 004	+,015	5	+10 49 22,85	,124	, 403	— ,09
8787	——— 7.8	3	59 22,06	2,937	, 004	+,012	2	+ 5 54 42,11	,137	, 421	— ,01
8788	Antinoi 8.9	3	59 27,35	3,197	, 006	+,009	2	— 5 35 6,32	,145	, 459	— ,09
8789	Sagittarii 8	3	59 28,15	3,740	, 011	+,011	2	—27 22 6,93	,146	, 533	+ ,01
8790	Lyræ 8.9	1	59 39,75	1,605	, 007	+,004	3	+48 37 12,79	,163	, 227	— ,04
8791	41 Sagittarii π 4.5	6	59 56,86	3,574	, 009	+,002	5	—21 16 40,90	,187	, 508	— ,04
8792	——— 7	4	19 0 1,17	4,652	, 025	———	4	—50 44 49,59	,192	, 662	———
8793	——— 7	5	0 4,01	3,543	, 009	+,005	8	—20 3 27,00	,196	, 503	— ,23
8794	125 Lyræ 6	3	0 4,95	2,374	, 004	+,008	4	+28 22 25,45	,198	, 336	— ,10
8795	Vulpeculæ 7.8	4	0 15,68	2,596	, 004	+,022	6	+20 10 49,26	,213	, 369	— ,21
8796	232 Draconis 7	2	0 23,18	1,284	, 010	+,002	3	+54 8 37,19	,224	, 179	— ,11
8797	Telescopii 7.8	2	0 40,37	5,158	, 034	———	2	—58 15 49,00	,248	, 737	———
8798	Aquilæ 8	3	0 53,77	2,864	, 004	—,001	2	+ 9 6 37,63	,268	, 409	— ,03
8799	1 Cygni 6.7	3	0 53,87	1,551	, 008	+,026	3	+49 40 20,63	,268	, 220	— ,10
8800	Draconis 7.8	2	0 54,14	0,597	, 015	+,008	2	+62 27 37,43	,268	, 083	,00
8801	19 Aquilæ 6	3	0 55,28	2,940	, 005	+,015	6	+ 5 49 12,66	,269	, 421	— ,12
8802	Lyræ 7.8	2	0 55,34	2,138	, 004	+,003	4	+35 52 32,81	,272	, 303	— ,07
8803	Antinoi 7	3	1 8,66	3,242	, 006	+,004	3	— 7 32 1,88	,289	, 464	— ,09
8804	128 Lyræ 7	2	1 11,26	2,257	, 004	+,016	4	+32 14 45,50	,292	, 320	— ,07
8805	51 Draconis m 6.7	3	1 12,39	1,350	, 004	—,012	4	+53 8 43,66	,293	, 188	— ,10
8806	Lyræ ι 6	4	1 24,85	2,139	, 004	+,006	6	+35 50 45,02	,311	, 304	— ,04
8807	Sagittarii 7.8	2	1 33,52	3,556	, 009	+,012	4	—20 36 33,35	,324	, 504	— ,04
8808	132 Lyræ 7.8	3	2 10,52	2,040	, 003	+,001	3	+38 40 15,15	,377	, 291	+ ,01
8809	Sagittarii 7	6	2 32,05	3,412	, 008	+,005	5	—14 51 1,98	,406	, 485	— ,04
8810	——— 6	5	2 36,34	3,589	, 010	+,007	5	—21 55 26,82	,412	, 509	— ,05
8811	Lyræ 8	3	2 37,51	2,032	, 003	—,008	4	+38 53 43,99	,415	, 290	— ,04
8812	198 Sagittarii 7	2	2 38,66	4,380	, 020	+,012	4	—45 27 46,15	,416	, 623	— ,11
8813	Lyræ 7	2	2 50,56	2,078	, 003	—,019	2	+37 39 2,82	,432	, 295	— ,20
8814	——— 7.8	3	3 0,22	2,319	, 004	+,006	3	+30 18 15,90	,445	, 328	— ,05
8815	Aquilæ 8.9	5	3 0,34	2,895	, 005	+,013	4	+ 7 47 45,80	,446	, 413	+ ,45
8816	Sagittarii 6.7	5	3 3,89	3,704	, 011	+,009	6	—26 10 31,37	,450	, 525	— ,03
8817	Cygni 7	3	3 16,07	1,475	, 008	—,006	2	+51 7 17,71	,467	, 207	— ,05
8818	Sagittarii 8.9	2	3 22,88	3,560	, 009	—,004	4	—20 41 27,83	,478	, 503	— ,05
8819	20 Aquilæ B 5	6	3 43,82	3,256	, 007	+,016	6	— 8 12 30,12	,507	, 464	— ,06
8820	Sagittarii 8	3	3 44,22	3,612	, 010	+,007	4	—22 50 13,10	,507	, 511	— ,06

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8821	Telescopii 6	4	19 4 1,07	+5,008	—,00033	——	4	—56 25 36,36	5,530	+,00716	——
8822	Lyræ 7	3	4 1,28	2,084	, 003	+,006	4	+37 31 51,67	,530	, 295	—0,07
8823	Sagittarii B 6	6	4 20,51	4,390	, 021	+,015	7	—45 44 39,38	,558	, 622	— ,03
8824	—— 8.9	3	4 46,92	3,493	, 009	+,006	4	—18 10 30,22	,595	, 493	— ,02
8825	Cephei Q 7	2	4 48,12	—2,409	, 089	+,011	4	+76 48 40,86	,596	—,00339	+ ,01
8826	Vulpeculæ 8	2	4 49,01	+2,432	, 004	+,009	4	+26 28 4,33	,597	+,00343	— ,12
8827	Lyræ 7.8	3	5 4,75	2,341	, 004	+,009	7	+29 37 12,53	,620	, 331	— ,09
8828	—— 7.8	2	5 14,48	2,035	, 003	+,018	3	+38 54 3,04	,634	, 289	— ,06
8829	211 Sagittarii 7.8	3	5 17,57	3,478	, 009	+,020	3	—17 37 23,02	,638	, 492	— ,01
8830	21 Aquilæ C 6	5	5 23,68	3,026	, 005	+,002	5	+ 2 1 9,63	,647	, 433	— ,11
8831	42 Sagittarii ψ 6	6	5 25,12	3,684	, 011	,000	7	—25 31 58,97	,648	, 521	— ,04
8832	—— 6.7	5	5 29,95	3,654	, 010	+,012	4	—24 27 11,63	,655	, 517	— ,24
8833	—— 8	2	5 43,12	3,539	, 009	+,013	4	—20 3 51,44	,673	, 499	— ,11
8834	Aquilæ 7	3	6 11,39	2,903	, 005	+,008	3	+ 7 29 13,51	,713	, 412	— ,02
8835	Sagittarii 7.8	2	6 19,28	3,417	, 008	+,001	3	—15 7 2,39	,723	, 483	+ ,02
8836	Lyræ 7.8	3	6 25,29	2,028	, 003	—,002	3	+39 8 47,52	,732	, 289	— ,14
8837	Sagittarii 8	3	6 45,01	4,702	, 029	——	3	—51 51 33,36	,760	, 669	——
8838	Cygni 7.8	3	6 55,18	1,485	, 008	—,013	3	+51 5 24,93	,774	, 209	— ,04
8839	Aquilæ 8	5	6 55,88	2,868	, 005	+,026	3	+ 9 2 22,00	,776	, 407	+ ,11
8840	Sagittarii 8.9	3	7 26,74	3,571	, 010	+,012	3	—21 21 25,53	,819	, 502	— ,05
8841	Antinoi 9	2	7 38,89	3,137	, 006	+,017	3	— 2 56 58,93	,835	, 448	— ,08
8842	—— 7	3	7 42,54	3,325	, 008	+,027	3	—11 15 26,00	,840	, 471	— ,07
8843	43 Sagittarii d 5	8	7 58,76	3,517	, 010	+,009	6	—19 14 20,85	,863	, 494	— ,02
8844	20 Lyræ η 5	3	8 8,38	2,041	, 003	+,005	6	+38 51 58,87	,876	, 292	+ ,03
8845	1 Sagittæ 6	5	8 10,72	2,582	, 004	+,011	5	+20 56 54,27	,880	, 364	— ,12
8846	Aquilæ 9.10	5	8 13,77	2,867	, 005	+,011	4	+ 9 2 34,46	,884	, 406	— ,06
8847	Sagittarii 7	3	8 18,70	4,041	, 016	—,014	3	—37 11 2,53	,890	, 571	— ,09
8848	22 Aquilæ 6	6	8 21,22	2,969	, 005	+,018	5	+ 4 32 59,91	,893	, 420	— ,08
8849	—— 7.8	3	8 31,43	2,930	, 005	+,014	2	+ 6 18 39,65	,909	, 417	— ,08
8850	214 Sagittarii 7	3	8 32,08	3,515	, 010	+,012	3	—19 9 8,21	,909	, 493	— ,09
8851	53 Draconis n 5	2	8 32,85	1,134	, 013	+,013	5	+56 34 49,85	,910	, 151	+ ,05
8852	Antinoi 8	2	8 45,68	3,066	, 006	+,003	2	+ 0 12 38,54	,928	, 438	— ,06
8853	Sagittarii 7.8	3	8 51,38	3,510	, 010	+,022	3	—18 59 14,94	,935	, 493	— ,05
8854	Antinoi 8	2	9 1,74	3,336	, 008	+,001	2	—11 44 12,15	,951	, 470	— ,06
8855	1 Vulpeculæ 5	6	9 7,55	2,578	, 004	+,006	6	+21 6 14,70	,960	, 363	— ,03
8856	55 Draconis 7	3	9 7,92	0,243	, 023	+,018	3	+65 42 11,39	,960	, 034	+ ,06
8857	Aquilæ 10	3	9 10,39	2,868	, 005	+,013	1	+ 9 3 3,53	,962	, 405	— ,03
8858	Cephei 7.8	4	9 20,40	—2,647	, 107	—,008	5	+77 24 58,76	,976	—,00374	— ,01
8859	Telescopii 6	5	9 31,11	+4,874	, 034	——	5	—54 43 11,48	,991	+,00702	—0,8T.B.
8860	Sagittarii 7.8	2	9 31,77	4,106	, 016	+,001	2	—39 2 29,53	,993	, 579	— ,15
8861	Sagittarii 6	4	9 35,51	3,432	, 009	—,011	8	—15 48 59,34	,998	, 483	— ,25
8862	Telescopii χ 7	3	9 48,87	4,677	, 029	——	3	—51 31 54,28	6,016	, 660	——
8863	Antinoi 8	3	9 51,32	3,324	, 008	+,015	3	—11 13 21,44	,019	, 469	+ ,01
8864	25 Aquilæ ω¹ 5	6	10 4,59	2,816	, 005	+,006	5	+11 18 12,75	,039	, 399	— ,10
8865	—— 6.7	3	10 5,16	3,068	, 006	+,018	4	+ 0 7 44,70	,039	, 437	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8866	23 Aquilæ 6	3	19 10 8,83	+3,054	—,00006	+,020	5	+ 0 47 29,10	6,043	+,00434	—0,06
8867	——— 7	3	10 14,11	2,964	, 006	+,019	3	+ 4 50 16,29	,052	, 419	— ,03
8868	Telescopii 7.8	3	10 22,29	4,841	, 033	——	3	—54 14 55,24	,062	, 686	——
8869	24 Aquilæ 6	6	10 24,36	3,070	, 006	+,003	7	+ 0 2 39,92	,066	, 436	— ,09
8870	21 Lyræ θ 5	3	10 38,24	2,081	, 003	+,006	7	+37 50 37,32	,085	, 292	— ,07
8871	Sagittarii 7.8	4	10 39,79	3,652	, 011	+,031	4	—24 30 10,11	,087	, 513	— ,23
8872	——— 6	5	10 44,73	3,604	, 011	+,006	6	—22 42 7,83	,094	, 506	— ,07
8873	——— β^1 4	3	10 45,62	4,334	, 022	—,004	5	—44 45 34,99	,095	, 611	— ,13
8874	——— 6	1	10 45,88	3,604	, 011	——	1	—22 42 7,83	,095	, 506	——
8875	Telescopii 7.8	2	10 50,41	4,973	, 035	——	2	—56 11 34,01	,101	, 705	——
8876	54 Draconis p 5	2	10 58,31	1,078	, 013	+,006	2	+57 25 20,89	,112	, 147	— ,13
8877	80 Aquilæ 6.7	3	11 0,89	2,862	, 005	+,023	4	+ 9 19 30,40	,116	, 405	— ,05
8878	Sagittarii β^2 4	3	11 17,93	4,349	, 022	+,014	4	—45 6 2,39	,140	, 613	— ,10
8879	26 Aquilæ f 6	2	11 44,32	3,198	, 007	+,012	3	— 5 43 4,41	,176	, 452	— ,10
8880	Sagittarii 7	3	11 56,79	3,522	, 010	+,003	7	—19 32 9,43	,194	, 493	+ ,06
8881	28 Aquilæ A 6	1	11 57,43	2,799	, 004	—,002	5	+12 4 31,85	,194	, 394	— ,04
8882	Lyræ 7.8	3	11 59,86	2,347	, 004	—,002	2	+29 39 36,78	,198	, 328	— ,10
8883	27 Aquilæ d 6	2	12 4,88	3,097	, 005	+,008	1	— 1 11 33,77	,205	, 439	— ,08
8884	44 Sagittarii ρ^1 5	11	12 6,02	3,488	, 009	+,001	4	—18 9 1,94	,206	, 488	,00
8885	Aquilæ 7.8	4	12 9,85	2,972	, 005	+,012	4	+ 4 28 56,83	,212	, 420	— ,20
8886	45 Sagittarii ρ^2 5.6	1	12 13,61	3,499	, 009	+,009	2	—18 36 26,97	,218	, 490	— ,21
8887	46 ——— v 5.6	3	12 16,61	3,441	, 009	+,010	1	—16 15 27,23	,221	, 483	— ,08
8888	Aquilæ 8	3	12 22,02	3,013	, 006	+,007	3	+ 2 38 11,69	,228	, 427	— ,11
8889	Telescopii 7	3	12 24,53	4,664	, 029	——	3	—51 24 38,68	,233	, 656	——
8890	Sagittarii a 4.5	3	12 26,87	4,173	, 018	+,018	4	—40 55 3,30	,236	, 586	— ,22
8891	57 Draconis δ 3	32	12 29,84	0,024	, 025	+,030	2	+67 22 14,99	,240	, 003	— ,02
8892	Aquilæ 8.9	3	12 33,35	2,930	, 005	—,003	3	+ 6 20 46,98	,243	, 415	— ,15
8893	Antinoi 7.8	2	12 35,03	3,104	, 006	+,017	3	— 1 28 42,71	,246	, 439	— ,09
8894	Sagittarii 8	2	12 56,83	3,517	, 010	+,020	3	—19 19 42,69	,277	, 490	+ ,04
8895	——— 7.8	3	12 56,85	3,969	, 016	+,007	2	—35 16 30,63	,277	, 559	— ,07
8896	1 Cygni k 4	6	13 17,13	1,382	, 010	+,013	5	+53 3 59,22	,305	, 191	+ ,08
8897	Antinoi 9.10	2	13 22,09	3,212	, 007	+,006	2	— 6 21 12,00	,311	, 451	— ,28
8898	Draconis 7.8	2	13 47,21	0,354	, 021	+,015	2	+64 58 46,54	,346	, 046	+ ,06
8899	——— 7	3	13 48,55	0,108	, 026	+,006	4	+66 49 29,70	,348	, 014	+ ,09
8900	Anseris 8	5	13 51,70	2,561	, 004	+,014	2	+21 53 41,75	,352	, 358	— ,03
8901	89 Aquilæ 7	3	13 52,91	3,160	, 006	+,004	3	— 4 1 29,45	,355	, 444	— ,14
8902	Antinoi 8	2	13 54,71	3,070	, 006	+,012	2	+ 0 4 25,96	,357	, 439	+ ,04
8903	——— 7	3	14 3,30	3,318	, 008	+,013	3	—11 0 45,03	,368	, 464	,00
8904	92 Aquilæ 7	3	14 5,59	2,833	, 005	+,002	4	+10 36 41,15	,372	, 398	— ,02
8905	Sagittarii p 6	4	14 12,94	3,750	, 012	+,015	3	—28 10 39,30	,382	, 523	— ,08
8906	Draconis 9	1	14 31,53	0,574	, 018	+,019	3	+63 5 46,29	,408	, 088	— ,02
8907	Telescopii 7	3	14 31,84	4,857	, 034	——	3	—54 38 40,79	,408	, 685	——
8908	Sagittarii 8	2	14 51,16	3,513	, 010	+,002	3	—19 14 25,11	,434	, 488	— ,02
8909	Aquilæ 8	2	14 56,78	2,886	, 005	+,004	2	+ 8 17 49,42	,443	, 407	— ,12
8910	9 Cephei 6.7	3	15 8,52	—2,116	, 095	+,022	3	+76 16 51,15	,459	—,00302	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8911	47 Sagittarii x^1 6	3	19 15 13,71	+3,656	—,00012	+,003	5	—24 49 16,95	6,465	+,00509	—0,11
8912	242 Draconis 7	3	15 15,41	0,595	, 018	+,015	3	+62 54 31,43	,468	, 082	— ,05
8913	48 Sagittarii x^2 6.7	2	15 20,61	3,654	, 012	+,001	5	—24 43 38,80	,476	, 509	— ,08
8914	Antinoi 8	3	15 21,87	3,286	, 007	+,018	1	— 9 39 2,31	,477	, 460	— ,17
8915	49 Sagittarii x^3 6	3	15 30,03	3,642	, 012	—,005	5	—24 16 41,27	,479	, 507	— ,02
8916	Sagittarii 7.8	4	16 2,12	3,406	, 009	+,010	3	—14 50 32,50	,533	, 476	— ,03
8917	3 Vulpeculæ 6	3	16 5,64	2,456	, 004	+,017	5	+25 57 0,60	,537	, 343	— ,06
8918	50 Sagittarii 6.7	5	16 28,52	3,584	, 011	+,004	5	—22 5 45,99	,571	, 499	— ,08
8919	——— o 6	7	16 30,45	3,802	, 014	+,015	4	—30 3 41,86	,572	, 530	— ,12
8920	Aquilæ 8	2	16 32,73	3,038	, 006	+,014	2	+ 1 31 6,05	,575	, 427	+ ,02
8921	Sagittarii 6.7	3	16 39,91	3,570	, 011	+,003	2	—21 33 53,82	,585	, 495	— ,06
8922	Antinoi 8.9	3	16 46,13	3,161	, 007	+,011	4	— 4 3 2,72	,593	, 444	— ,23
8923	Sagittarii 6	7	16 47,51	3,418	, 009	+,011	2	—15 22 21,44	,596	, 476	— ,03
8924	2 Sagittæ 6	5	16 57,62	2,694	, 004	+,015	4	+16 37 20,72	,610	, 375	— ,01
8925	Sagittarii 7	5	17 2,82	3,406	, 010	+,013	4	—14 52 17,21	,617	, 474	— ,05
8926	Antinoi 8	3	17 3,03	3,123	, 006	+,014	5	— 2 22 51,90	,617	, 439	— ,12
8927	31 Aquilæ b 5	6	17 6,27	2,812	, 005	+,063	9	+11 35 50,63	,621	, 394	+ ,58
8928	Telescopii μ 7	3	17 10,13	4,903	, 037	——	3	—55 26 17,23	,627	, 688	——
8929	30 Aquilæ δ 3.4	42	17 10,73	3,009	, 006	+,038	47	+ 2 47 31,40	,629	, 422	+ ,03
8930	3 Sagittæ 6.7	5	17 20,44	2,694	, 004	+,011	2	+16 38 27,01	,641	, 376	+ ,04
8931	Anseris 7	3	17 31,37	2,621	, 004	+,014	3	+19 37 14,28	,655	, 364	+ ,04
8932	2 Cygni a 5.6	3	17 37,30	2,363	, 004	+,017	3	+29 18 10,68	,663	, 331	— ,11
8933	Pavonis 8	3	17 42,93	5,309	, 048	——	3	—60 36 1,50	,672	, 741	——
8934	32 Aquilæ ν 5.6	3	18 4,85	3,071	, 006	+,010	5	+ 0 0 57,40	,703	, 433	— ,02
8935	Cygni 7	2	18 10,50	2,151	, 003	—,001	4	+36 7 47,97	,710	, 300	+ ,03
8936	4 Vulpeculæ 6	4	18 14,31	2,625	, 004	+,011	7	+19 28 50,38	,716	, 366	— ,12
8937	Sagittarii 6	2	18 29,22	3,497	, 010	——	5	—18 41 8,53	,736	, 485	——
8938	3 Cygni 6	5	18 36,18	2,494	, 004	—,009	8	+24 37 11,50	,745	, 346	— ,64
8939	——— 7	2	18 39,86	1,416	, 010	+,020	3	+52 43 49,78	,750	, 191	+ ,07
8940	60 Draconis τ 4.5	4	18 40,64	—1,060	, 058	—,035	7	+73 2 47,72	,752	—,00143	+ ,07
8941	Telescopii 7.8	3	18 44,28	+4,836	, 035	——	3	—54 29 57,84	,756	+,00681	——
8942	Aquilæ 8.9	3	18 48,18	3,123	, 006	+,013	3	— 2 20 46,30	,761	, 438	— ,11
8943	17 Cygni 6.7	3	19 0,96	2,619	, 004	+,009	3	+19 46 31,35	,779	, 363	— ,09
8944	19 ——— 7.8	6	19 4,24	1,574	, 008	+,012	6	+49 57 5,78	,783	, 218	,00
8945	——— 7.8	2	19 6,94	2,491	, 004	+,007	3	+24 43 45,91	,787	, 346	— ,05
8946	247 Sagittarii 6	3	19 12,26	3,418	, 010	+,012	2	—15 25 53,91	,795	, 473	— ,14
8947	Anseris 7	3	19 15,66	2,624	, 004	+,006	1	+19 34 7,11	,800	, 366	— ,18
8948	Sagittarii Q 7	4	19 39,35	3,720	, 014	—,014	5	—27 18 58,54	,831	, 517	— ,15
8949	58 Draconis π 4	4	19 48,11	0,325	, 022	+,013	5	+65 23 51,17	,843	, 046	+ ,02
8950	Telescopii 6.7	6	19 50,73	4,771	, 034	——	6	—53 31 27,77	,847	, 667	——
8951	Sagittarii 8	2	19 55,51	3,570	, 012	+,005	2	—21 40 12,88	,855	, 493	— ,05
8952	Cygni 7.8	3	20 1,40	2,163	, 003	+,019	3	+35 51 37,40	,861	, 299	— ,12
8953	Aquilæ 6.7	3	20 3,82	3,014	, 006	+,003	2	+ 2 36 3,09	,865	, 423	— ,07
8954	250 Sagittarii 7.8	3	20 9,42	3,424	, 010	+,008	3	—15 41 29,15	,874	, 474	— ,12
8955	172 Lyræ 6	3	20 12,65	2,159	, 003	+,011	4	+35 59 28,92	,878	, 299	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
8956	Cygni 7.8	3	19 20 12,86	+1,578	—,00008	+,012	3	+49 55 6,93	6,877	+,00221	—0,17
8957	35 Aquilæ C 6	4	20 40,59	3,036	, 006	+,015	5	+ 1 37 11,49	,914	, 425	— ,11
8958	24 Vulpeculæ 7	3	20 42,04	2,616	, 004	+,007	4	+19 55 1,12	,917	, 362	— ,12
8959	Sagittarii 6	7	21 6,18	3,569	, 012	+,004	5	—21 38 53,80	,950	, 491	— ,11
8960	——— C 6	3	21 26,96	4,352	, 026	—,005	3	—45 36 43,89	,979	, 603	— ,11
8961	Aquilæ 7.8	3	21 38,30	3,148	, 007	+,003	3	— 3 31 11,63	,994	, 439	— ,05
8962	26 Cygni 7	3	21 42,09	2,373	, 004	,000	3	+29 7 6,59	,999	, 330	— ,08
8963	——— 8	4	21 44,85	2,154	, 003	,000	4	+36 11 48,80	7,004	, 298	— ,07
8964	6 Vulpeculæ b 4	13	21 50,44	3,015	, 006	+,002	11	+ 2 34 3,18	,011	, 421	— ,05
8965	Aquilæ 6.7	1	21 53,38	2,505	, 004	+,004	3	+24 20 9,14	,015	, 347	— ,14
8966	36 Aquilæ e 6	3	22 2,24	3,139	, 007	+,035	4	— 3 7 35,26	,027	, 437	— ,10
8967	8 Vulpeculæ 5.6	5	22 3,84	2,502	, 004	+,006	5	+24 26 0,43	,030	, 347	— ,07
8968	——— C 7	3	22 8,93	2,616	, 004	,000	3	+19 56 42,31	,036	, 362	— ,01
8969	Sagittarii 7	3	22 22,78	3,745	, 014	——	4	—28 19 39,98	,056	, 514	——
8970	Cygni 8	3	22 24,83	1,589	, 008	+,015	5	+49 48 36,11	,058	, 221	— ,02
8971	Cygni 8	3	22 27,07	2,417	, 004	+,007	3	+27 35 32,83	,061	, 335	— ,11
8972	Sagittarii 7	2	22 27,37	3,574	, 011	+,029	3	—21 51 30,45	,061	, 491	+ ,09
8973	118 Aquilæ 7	1	22 44,98	3,035	, 006	+,010	3	+ 1 40 20,02	,086	, 423	— ,09
8974	Draconis 7	3	22 47,38	1,093	, 014	+,004	4	+57 41 48,73	,093	, 149	— ,05
8975	Sagittarii D 6	4	22 57,47	4,482	, 028	——	4	—48 26 45,79	,102	, 620	——
8976	29 Cygni 6	3	23 23,36	1,472	, 010	—,008	4	+51 59 14,79	,138	, 201	,00
8977	176 Lyræ 7	2	23 32,45	2,165	, 003	+,013	4	+35 56 41,11	,150	, 300	+ ,05
8978	Sagittarii 8	2	23 58,45	3,500	, 011	+,026	4	—18 57 42,37	,185	, 480	— ,16
8979	Aquilæ 6.7	3	24 0,02	2,914	, 005	+,010	3	+ 7 8 41,30	,188	, 405	— ,09
8980	6 Cygni β¹ 3	14	24 4,18	2,418	, 004	+,010	9	+27 37 4,07	,193	, 334	— ,05
8981	Cygni 7	5	24 6,39	2,418	, 004	+,012	4	+27 37 23,99	,196	, 334	— ,06
8982	Telescopii 7.8	6	24 31,44	5,093	, 045	——	6	—58 20 14,86	,230	, 710	——
8983	Cygni 7.8	3	24 35,35	1,378	, 011	+,022	4	+53 37 52,55	,235	, 186	— ,03
8984	Sagittarii 7	3	24 35,86	3,632	, 013	+,007	5	—24 12 31,06	,236	, 499	— ,07
8985	Cygni 8	3	24 48,68	2,180	, 003	+,010	3	+35 53 7,87	,254	, 299	,00
8986	Vulpeculæ 6	4	24 52,19	2,603	, 004	+,006	5	+20 35 0,41	,259	, 359	— ,07
8987	Cygni 7.8	2	25 27,90	2,411	, 004	+,009	3	+27 55 10,28	,308	, 332	— ,05
8988	10 ——— ι 5	4	25 32,78	1,514	, 009	+,001	5	+51 22 50,50	,315	, 207	+ ,06
8989	178 Lyræ 6	3	25 38,41	2,228	, 003	+,007	3	+34 6 24,58	,322	, 307	— ,01
8990	Sagittarii 6.7	9	25 43,34	3,617	, 013	—,001	11	—23 39 47,57	,328	, 496	— ,08
8991	Sagittarii 7	6	25 49,78	3,552	, 011	+,003	3	—21 7 43,83	,338	, 485	— ,24
8992	Anseris 8	2	25 51,01	2,602	, 004	+,005	3	+20 39 15,98	,340	, 359	— ,09
8993	51 Sagittarii h¹ 6	1	26 0,14	3,653	, 013	+,003	5	—25 4 22,26	,352	, 500	— ,03
8994	38 Aquilæ μ 4.5	5	26 1,77	2,918	, 005	+,027	13	+ 7 2 4,76	,355	, 403	— ,20
8995	37 ——— K 5	6	26 1,78	3,311	, 009	+,013	3	—10 54 49,43	,355	, 456	— ,05
8996	52 Sagittarii h² 4.5	4	26 39,70	3,657	, 013	+,016	5	—25 14 23,33	,405	, 501	— ,01
8997	Antinoi 8	4	26 44,40	3,306	, 009	+,012	3	—10 43 16,50	,412	, 453	— ,06
8998	Sagittarii 7	3	26 48,79	3,504	, 011	+,011	5	—19 12 35,25	,418	, 479	— ,03
8999	Aquilæ 8	3	26 49,86	2,985	, 006	+,011	3	+ 3 57 25,71	,420	, 414	— ,14
9000	Telescopii 7.8	4	27 6,11	4,830	, 041	——	4	—54 46 58,69	,441	, 668	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9001	Cygni 7.8	1	19 27 9,62	+1,245	—,00012	+,013	2	+55 47 17,04	7,445	+,00168	—0,02
9002	129 Aquilæ 7	3	27 15,16	3,132	, 007	—,001	2	— 2 48 37,97	,453	, 438	— ,13
9003	Cygni 9	3	27 19,64	1,282	, 012	+,008	3	+55 14 22,77	,460	, 173	— ,17
9004	9 Vulpeculæ 5.6	3	27 20,05	2,633	, 004	+,011	5	+19 25 5,89	,460	, 362	— ,05
9005	Sagittarii 7	4	27 28,75	3,488	, 011	+,014	4	—18 35 25,64	,473	, 476	— ,11
9006	Telescopii 7.8	5	27 32,93	4,815	, 044	——	4	—54 34 35,32	,478	, 667	——
9007	Aquilæ 7.8	4	27 33,63	3,076	, 006	+,015	4	— 0 14 58,02	,479	, 425	— ,33
9008	Antinoi 7.8	2	27 34,39	3,073	, 006	+,011	2	— 0 6 29,74	,479	, 425	— ,05
9009	—— 8	3	27 35,22	3,140	, 006	+,016	3	— 3 9 55,08	,481	, 434	— ,18
9010	Cygni 7.8	2	27 39,88	1,602	, 009	+,001	2	+49 49 1,50	,487	, 221	+ ,28
9011	Antinoi 8	2	27 43,88	3,307	, 009	—,010	2	—10 47 27,41	,493	, 453	— ,35
9012	39 Cygni 6.7	5	27 44,00	1,274	, 012	+,007	3	+55 22 56,41	,493	, 172	— ,10
9013	Sagittarii 6.7	4	27 46,96	3,301	, 009	+,008	6	—10 30 59,16	,497	, 452	— ,06
9014	39 Aquilæ K 4	4	28 0,72	3,232	, 007	+,003	5	— 7 23 15,84	,514	, 444	— ,04
9015	41 —— ι 5	4	28 10,93	3,107	, 006	—,001	5	— 1 38 45,71	,529	, 429	— ,07
9016	9 Cygni 5.6	4	28 17,80	2,381	, 004	+,013	3	+29 6 16,08	,538	, 329	— ,06
9017	Aquilæ 8	3	28 43,79	2,915	, 005	+,006	2	+ 7 11 22,11	,574	, 405	— ,01
9018	Antinoi 8	1	28 48,13	3,089	, 006	+,005	4	— 0 51 16,60	,579	, 428	— ,01
9019	Aquilæ 7	3	28 52,55	2,727	, 005	—,013	3	+15 31 43,22	,584	, 375	+ ,04
9020	42 —— P 6	5	29 2,17	3,180	, 007	+,018	5	— 5 0 33,87	,598	, 437	— ,14
9021	Antinoi 7.8	3	29 5,32	3,082	, 006	+,003	3	— 0 29 37,27	,602	, 427	,00
9022	—— 8	3	29 43,90	3,089	, 006	+,015	3	— 0 51 18,40	,655	, 429	— ,07
9023	4 Sagittæ ι 6	4	29 49,27	2,714	, 004	+,003	4	+16 5 49,80	,661	, 371	— ,08
9024	45 Cygni 6.7	3	29 52,61	2,154	, 003	+,005	3	+36 34 55,24	,667	, 294	— ,09
9025	53 Sagittarii 7	4	29 54,22	3,616	, 013	+,010	4	—23 47 44,79	,668	, 491	— ,09
9026	Antinoi 8	3	29 55,24	3,071	, 006	+,015	3	— 0 1 20,29	,669	, 425	— ,03
9027	Cygni 7	2	30 2,49	2,211	, 003	+,008	1	+34 51 2,92	,679	, 302	— ,02
9028	—— 6	2	30 3,50	1,552	, 010	+,017	2	+50 53 7,55	,680	, 212	— ,18
9029	Sagittarii 6.7	4	30 11,62	3,616	, 013	+,003	4	—23 47 58,20	,692	, 491	— ,11
9030	—— 7.8	2	30 26,68	3,543	, 013	+,007	2	—20 55 7,42	,712	, 481	— ,12
9031	Sagittarii 9	2	30 27,24	3,613	, 014	+,003	2	—23 42 8,10	,712	, 490	— ,08
9032	Aquilæ 8	5	30 36,02	2,940	, 005	+,014	2	+ 6 3 39,38	,725	, 404	— ,09
9033	—— 8	2	30 36,50	2,914	, 005	+,008	1	+ 7 14 47,21	,725	, 400	— ,05
9034	—— 7.8	2	30 48,86	2,809	, 005	+,020	2	+11 59 20,50	,742	, 384	— ,13
9035	Antinoi 9	1	30 50,69	3,110	, 006	+,014	1	— 1 50 17,78	,745	, 428	— ,11
9036	44 Aquilæ ε 5	6	31 3,13	2,962	, 005	—,002	8	+ 5 1 40,23	,761	, 407	— ,03
9037	Antinoi 8	2	31 8,80	3,252	, 009	+,012	2	— 8 20 34,76	,769	, 445	— ,22
9038	54 Sagittarii e 5.6	4	31 16,00	3,440	, 011	+,007	6	—16 39 52,60	,778	, 468	— ,11
9039	Cygni 7	2	31 29,96	1,609	, 009	—,006	3	+49 52 16,88	,797	, 221	+ ,03
9040	Draconis 7.8	1	31 37,50	—0,167	, 033	—,015	2	+69 10 10,46	,806	—,00022	— ,07
9041	Aquilæ 7.8	1	31 39,50	+2,906	, 005	—,015	2	+ 7 28 13,47	,809	+,00399	— ,03
9042	55 Cygni 7	3	31 56,24	2,213	, 003	+,016	3	+34 53 27,08	,832	, 301	— ,12
9043	Aquilæ 8	4	31 58,38	2,916	, 005	+,008	3	+ 7 11 35,05	,834	, 399	— ,09
9044	13 Cygni θ 4	5	32 0,77	1,612	, 009	+,002	6	+49 50 29,76	,838	, 221	+ ,14
9045	45 Aquilæ 6	5	32 13,41	3,092	, 006	+,011	5	— 0 59 49,48	,854	, 425	— ,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9046	61 Draconis σ 5	5	19 32 39,74	—0,196	—,00033	+,114	6	+69 22 48,46	7,891	—,00024	—0,08
9047	Sagittarii 7.8	2	32 40,50	+3,901	, 018	+,017	3	—34 1 38,36	,891	+,00531	— ,10
9048	5 Sagittæ α 4	9	32 43,42	2,680	, 004	+,014	6	+17 38 22,84	,895	, 366	— ,11
9049	——— 8	3	32 48,21	2,683	, 004	+,010	2	+17 31 20,37	,902	, 366	— ,23
9050	12 Cygni φ 4	6	32 51,54	2,368	, 004	—,002	8	+29 46 38,96	,906	, 323	— ,03
9051	55 Sagittarii e² 5	7	33 4,84	3,435	, 012	+,017	7	—16 30 14,37	,925	, 466	— ,12
9052	61 Cygni 7	3	33 21,87	1,663	, 009	+,026	3	+48 54 11,27	,947	, 227	— ,18
9053	Sagittæ 9	1	33 35,96	2,681	, 004	+,004	3	+17 36 55,55	,966	, 365	— ,10
9054	6 ——— β 5	5	33 38,36	2,694	, 004	+,009	6	+17 5 57,10	,969	, 367	— ,07
9055	——— 8	4	34 2,83	2,677	, 004	+,010	3	+17 48 49,08	8,002	, 364	— ,18
9056	62 Cygni 6	3	34 4,24	1,950	, 002	+,010	3	+42 26 26,11	,003	, 265	— ,01
9057	Antinoi 8.9	2	34 5,78	3,310	, 009	+,025	4	—11 3 22,53	,006	, 448	— ,18
9058	Sagittarii 6	5	34 8,51	3,419	, 011	+,011	4	—15 50 44,98	,009	, 462	— ,25
9059	Cygni 7.8	3	34 15,76	2,334	, 004	+,013	3	+31 1 38,58	,019	, 317	— ,03
9060	Antinoi 8	3	34 24,55	2,973	, 006	+,016	2	+ 4 34 16,50	,030	, 406	+ ,01
9061	152 Aquilæ 7	3	34 28,60	2,815	, 005	+,010	3	+11 48 42,21	,037	, 383	— ,04
9062	Telescopii ν 6	3	34 31,03	4,940	, 044	——	3	—56 44 57,73	,039	, 687	——
9063	Sagittarii 7.8	4	34 33,95	3,842	, 017	+,009	4	—32 10 29,90	,043	, 520	— ,10
9064	Draconis 8	2	34 46,12	—0,192	, 033	—,010	5	+69 25 55,21	,059	—,00024	+ ,43
9065	Aquilæ 7.8	2	34 47,45	+2,899	, 005	+,009	4	+ 7 59 47,83	,061	+,00394	— ,07
9066	47 Aquilæ χ 6	4	34 48,42	2,823	, 005	+,014	5	+11 26 36,17	,062	, 383	— ,12
9067	Sagittarii 6.7	5	34 56,75	3,815	, 016	—,008	5	—31 17 28,29	,074	, 516	— ,10
9068	Sagittæ 7	3	34 58,53	2,671	, 004	+,013	2	+18 4 55,43	,075	, 362	— ,03
9069	——— 8.9	3	35 16,16	2,674	, 004	+,016	3	+18 0 8,36	,099	, 362	— ,05
9070	——— 8.9	6	35 25,52	2,683	, 004	+,004	2	+17 35 1,31	,111	, 364	— ,07
9071	286 Sagittarii 6.7	3	35 29,12	3,844	, 017	,000	2	—32 17 55,50	,117	, 520	— ,08
9072	Antinoi 8	4	35 37,95	3,323	, 009	+,014	6	—11 34 53,56	,129	, 449	— ,06
9073	Draconis 7	4	35 59,33	—0,185	, 034	+,005	8	+69 25 58,21	,157	—,00023	+ ,08
9074	Pavonis 8	3	35 59,83	+5,158	, 052	——	3	—59 39 45,69	,158	+,00702	——
9075	Aquilæ 8.9	3	36 14,78	2,917	, 006	+,007	2	+ 7 11 53,25	,178	, 397	— ,12
9076	Aquilæ 8	2	36 22,27	2,812	, 005	+,004	3	+11 59 2,97	,187	, 383	— ,01
9077	Pavonis λ¹ 6.7	3	36 42,36	5,150	, 050	——	3	—59 35 41,75	,214	, 690	——
9078	Aquilæ 7.8	3	36 43,83	2,892	, 005	+,019	3	+ 8 20 11,89	,217	, 391	— ,12
9079	56 Sagittarii f 6	8	36 43,98	3,519	, 012	—,009	5	—20 9 2,89	,217	, 473	— ,09
9080	10 Vulpeculæ d 6	6	36 51,43	2,492	, 004	+,016	8	+25 22 53,64	,226	, 336	— ,14
9081	Aquilæ 7	2	36 52,07	2,845	, 005	—,005	3	+10 31 16,07	,227	, 384	— ,10
9082	——— ψ 6.7	4	36 53,64	2,791	, 005	+,006	4	+12 54 44,76	,230	, 377	— ,10
9083	——— 7	6	36 54,80	2,793	, 005	+,007	6	+12 50 23,80	,231	, 377	— ,04
9084	——— 7	3	37 6,98	2,848	, 005	+,005	3	+10 22 59,11	,247	, 383	— ,06
9085	Vulpeculæ 6	5	37 10,74	2,457	, 004	——	5	+26 44 43,15	,253	, 332	——
9086	16 Cygni c¹ 6	7	37 25,80	1,612	, 009	—,002	6	+50 8 41,02	,273	, 219	— ,20
9087	16 ——— c² 7	5	37 28,47	1,612	, 009	+,007	1	+50 8 13,38	,275	, 219	— ,18
9088	Aquilæ υ 6.7	3	37 38,42	2,917	, 005	+,014	4	+ 7 13 8,45	,289	, 394	— ,10
9089	Cygni 7	3	37 56,85	2,122	, 002	+,005	4	+37 55 50,11	,314	, 287	— ,02
9090	——— 7	3	38 8,50	2,134	, 002	+,009	4	+37 36 53,05	,329	, 289	— ,01

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s.	s	s		° ′ ″	″ +	″	″
9091	Sagittarii	6.7	3	19 38 10,02	+4,420	—,00033	——	3	—47 57 37,55	8,331	+,00598	——
9092	292 ——	7	2	38 16,17	3,546	, 013	+,004	4	—21 21 25,38	,339	, 476	—0,08
9093	15 Cygni	5	7	38 19,61	2,166	, 002	+,015	5	+36 57 35,21	,343	, 290	— ,06
9094	50 Aquilæ	γ 3	19	38 24,98	2,852	, 005	+,010	106	+10 12 59,81	,351	, 383	— ,04
9095	——	7.8	3	38 43,57	2,855	, 005	+,004	3	+10 3 45,45	,375	, 384	— ,07
9096	Sagittæ	9	2	38 44,91	2,685	, 004	+,017	2	+17 37 39,03	,378	, 362	— ,09
9097	Sagittarii	6.7	3	38 46,54	3,376	, 012	+,009	5	—14 6 10,14	,379	, 452	— ,07
9098	——	7.8	3	39 14,49	4,174	, 025	—,003	3	—42 15 53,04	,417	, 562	+ ,02
9099	Telescopii	6.7	5	39 27,66	4,829	, 044	——	5	—55 22 53,21	,435	, 654	——
9100	Cygni	7	5	39 36,43	2,199	, 002	+,005	3	+35 41 34,19	,445	, 297	— ,01
9101	Cygni	7.8	3	39 37,48	2,200	, 002	+,008	2	+35 41 24,41	,446	, 297	— ,13
9102	Aquilæ	7	3	39 38,30	2,957	, 006	,000	3	+ 5 22 50,17	,448	, 399	— ,05
9103	Sagittarii	7	5	39 39,12	3,345	, 011	+,010	5	—12 43 20,17	,449	, 449	— ,11
9104	Sagittæ	7.8	5	39 41,03	2,659	, 004	+,038	3	+18 46 49,78	,452	, 358	— ,09
9105	Cygni	6.7	3	39 42,41	2,234	, 003	+,014	3	+34 36 52,40	,453	, 301	— ,06
9106	18 Cygni	δ 3.4	6	39 43,82	1,870	, 004	+,004	5	+44 43 53,46	,462	, 251	— ,05
9107	Aquilæ	6	4	39 56,10	3,312	, 010	+,014	6	—11 16 28,35	,472	, 444	— ,09
9108	7 Sagittæ	δ 4	4	40 1,92	2,674	, 004	+,002	5	+18 7 56,35	,480	, 360	,00
9109	17 Cygni	χ 5	5	40 10,01	2,274	, 003	+,013	5	+33 20 53,75	,490	, 306	— ,15
9110	Indi	7	3	40 13,59	5,310	, 059	——	3	—61 35 11,75	,494	, 715	——
9111	Cygni	7.8	2	40 17,25	1,231	, 013	+,024	3	+56 38 45,13	,510	, 163	— ,09
9112	Sagittarii	C 6	3	40 37,31	4,097	, 023	—,010	3	—40 17 3,21	,525	, 551	— ,07
9113	Aquilæ	7	2	40 46,05	3,309	, 010	+,010	4	—11 7 56,55	,537	, 443	— ,14
9114	52 ——	π 6	3	40 55,67	2,827	, 005	+,013	5	+11 24 38,86	,551	, 380	— ,09
9115	Sagittæ	7.8	2	41 19,91	2,636	, 004	+,023	3	+19 48 31,67	,583	, 354	— ,07
9116	Pavonis	ε 4	3	41 22,34	7,108	, 158	——	4	—73 20 1,07	,585	, 953	——
9117	Cygni	7.8	3	41 23,74	1,316	, 012	+,025	3	+55 26 50,09	,588	, 175	— ,10
9118	Antinoi	7.8	3	41 25,56	3,017	, 007	+,007	3	+ 2 32 44,30	,589	, 407	— ,01
9119	Cygni	7	2	41 32,81	2,342	, 003	—,002	3	+31 6 0,86	,599	, 315	+ ,01
9120	8 Sagittæ	ζ 5	4	41 39,36	2,661	, 004	+,008	4	+18 44 0,92	,607	, 356	— ,04
9121	51 Aquilæ	D 5.6	4	41 41,82	3,310	, 010	+,008	4	—11 10 32,92	,611	, 444	— ,10
9122	Cygni	7	3	41 47,54	1,566	, 009	—,010	3	+51 16 8,01	,618	, 210	+ ,02
9123	Sagittarii	7.8	2	41 59,32	3,501	, 014	+,006	4	—19 37 27,73	,634	, 466	— ,06
9124	Telescopii	8	2	42 31,19	4,753	, 043	——	2	—54 22 4,49	,675	, 634	——
9125	Cygni	*var.*	4	42 32,77	2,287	, 003	+,001	4	+33 1 42,54	,678	, 307	— ,07
9126	57 Sagittarii	5.6	5	42 36,43	3,497	, 013	+,005	3	—19 27 26,11	,682	, 465	— ,18
9127	53 Aquilæ	α 1.2	134	42 44,00	2,892	, 005	+,042	180	+ 8 26 17,32	,693	, 386	+ ,30
9128	Sagittæ	7	3	42 50,04	2,696	, 004	+,018	3	+17 17 56,10	,701	, 359	— ,04
9129	54 Aquilæ	ο 5.6	3	43 7,30	2,859	, 006	+,025	5	+10 0 30,08	,723	, 381	— ,17
9130	Indi	7	3	43 12,32	5,101	, 054	——	3	—59 19 30,07	,730	, 680	——
9131	Indi	7	3	43 16,79	5,024	, 052	——	3	—58 20 56,14	,737	, 672	——
9132	Cygni	7.8	5	43 23,60	2,293	, 003	+,034	4	+32 51 52,75	,746	, 306	— ,16
9133	Vulpeculæ	7.8	3	43 29,90	2,638	, 004	+,001	3	+19 47 48,64	,754	, 353	— ,11
9134	——	7	2	43 36,81	2,642	, 004	+,020	3	+19 37 27,95	,762	, 354	— ,04
9135	93 Cygni	6.7	3	43 37,14	2,121	, 002	+,018	3	+38 17 53,76	,762	, 282	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ +	″	″
9136	Sagittarii E 4.5	6	19 43 52,36	+4,165	—,00026	+,022	5	—42 17 38,44	8,783	+,00559	—0,06
9137	12 Vulpeculæ e 5.6	3	43 57,81	2,581	, 004	+,016	4	+22 11 43,94	,790	, 345	— ,08
9138	55 Aquilæ η 4	3	44 4,08	3,059	, 007	+,014	5	+ 0 35 17,01	,798	, 413	— ,10
9139	——— 6.7	6	44 20,10	2,833	, 005	—,015	8	+11 13 32,52	,819	, 377	— ,37
9140	——— 8	3	44 23,72	2,861	, 006	—,004	4	+ 9 56 1,91	,824	, 381	— ,04
9141	309 Sagittarii 6.7	3	44 30,06	3,865	, 018	—,003	3	—33 28 11,39	,832	, 515	+ ,01
9142	Sagittæ 8	2	44 34,46	2,694	, 004	+,018	1	+17 25 21,56	,838	, 359	— ,15
9143	Cephei 7.8	3	44 54,33	1,338	, 012	+,007	3	+55 18 39,19	,864	, 176	+ ,04
9144	25 Sagittæ 6.7	4	45 3,33	2,676	, 004	+,002	3	+18 15 11,64	,872	, 356	,00
9145	56 Aquilæ E 6	4	45 10,95	3,261	, 010	+,004	4	— 8 59 46,66	,886	, 433	— ,12
9146	Sagittæ 7.8	2	45 17,88	2,674	, 004	+,015	3	+18 19 13,19	,895	, 356	— ,01
9147	——— 7.8	5	45 32,35	2,696	, 004	+,019	7	+17 23 39,98	,914	, 359	— ,05
9148	187 Aquilæ 6 7	5	45 41,40	3,253	, 010	—,015	4	— 8 39 3,64	,926	, 434	— ,13
9149	57 ——— 7	3	45 41,98	3,254	, 010	—,013	2	— 8 39 37,12	,926	, 434	— ,12
9150	58 Sagittarii ω 6	4	45 43,42	3,674	, 016	+,019	5	—26 43 48,21	,928	, 486	+ ,02
9151	Aquilæ 8	1	45 54,60	2,834	, 005	+,017	3	+11 11 7,03	,943	, 378	— ,12
9152	Sagittæ 7	1	46 7,22	2,638	, 004	+,013	3	+19 54 47,11	,959	, 351	— ,07
9153	Vulpeculæ 7	2	46 8,58	2,638	, 004	—,001	2	+19 54 10,48	,960	, 351	— ,08
9154	59 Aquilæ ξ 5	8	46 15,15	2,902	, 006	+,020	8	+ 8 2 23,94	,969	, 386	— ,19
9155	58 ——— 6	4	46 17,58	3,074	, 007	+,035	6	— 0 9 7,48	,973	, 410	— ,10
9156	13 Vulpeculæ 5	5	46 27,03	2,547	, 003	+,013	5	+23 39 15,18	,985	, 338	,00
9157	20 Cygni d 6	3	46 29,21	1,509	, 001	+,008	3	+52 34 19,73	,988	, 199	— ,09
9158	59 Sagittarii b 5	3	46 48,91	3,695	, 017	+,005	5	—27 36 0,51	9,014	, 490	— ,12
9159	60 Aquilæ β 3	70	47 12,55	2,946	, 006	+,006	59	+ 6 0 1,22	,043	, 391	— ,52
9160	——— 7.8	3	47 25,12	2,828	, 005	+,005	4	+11 31 46,67	,060	, 374	— ,17
9161	Vulpeculæ 7	2	47 31,04	2,543	, 003	+,012	4	+23 53 28,92	,068	, 338	— ,07
9162	Indi λ 7.6	7	47 48,46	5,120	, 057	———	6	—59 48 58,44	,091	, 677	———
9163	61 Aquilæ φ 6	3	48 25,48	2,840	, 005	+,014	5	+10 59 27,90	,138	, 376	— ,02
9164	10 Sagittæ 6	3	48 31,74	2,725	, 004	+,010	5	+16 12 8,91	,147	, 360	— ,13
9165	61 Sagittarii g 6	6	48 35,23	3,410	, 011	—,002	7	—15 55 21,55	,152	, 450	— ,27
9166	Sagittæ 8.9	3	48 37,11	2,697	, 004	+,015	4	+17 27 15,37	,154	, 357	— ,12
9167	259 Draconis 7	5	48 41,38	—0,601	, 044	+,011	5	+72 2 47,99	,160	—,00080	+ ,05
9168	2 ——— 5.6	3	48 41,78	—0,170	, 040	+,042	3	+69 50 50,60	,161	—,00023	+ ,04
9169	60 Sagittarii a 5.6	3	48 53,54	+3,667	, 016	+,003	5	—26 38 6,26	,176	+,00482	,00
9170	——— K¹ 6	1	48 59,26	3,926	, 020	—,006	3	—35 42 52,77	,183	, 517	— ,09
9171	317 Sagittarii 6.7	3	49 5,84	4,283	, 031	+,006	4	—45 33 17,91	,192	, 567	— ,13
9172	——— K² 6	7	49 7,87	3,907	, 022	+,012	8	—35 8 4,72	,195	, 515	— ,18
9173	——— 7	3	49 47,22	3,566	, 015	———	5	—22 39 6,95	,246	, 469	———
9174	23 Cygni 6	3	49 53,78	1,238	, 013	+,007	3	+57 5 35,33	,254	, 160	+ ,02
9175	22 ——— 5	9	49 58,10	2,143	, 002	+,011	5	+38 3 6,36	,259	, 281	— ,13
9176	Sagittæ 8	3	50 2,74	2,654	, 003	+,004	3	+19 21 38,77	,266	, 351	— ,05
9177	Aquilæ 8	2	50 7,18	2,841	, 005	+,002	4	+10 58 34,35	,271	, 374	— ,02
9178	Cygni η 5	3	50 7,33	2,251	, 002	+,017	3	+34 38 57,52	,271	, 296	— ,08
9179	Aquilæ 8.9	4	50 7,73	2,837	, 006	+,005	5	+11 9 10,38	,272	, 375	— ,06
9180	Sagittæ 8	3	50 16,03	2,715	, 004	+,010	3	+16 42 29,30	,282	, 358	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9181	11 Sagittæ 6	2	19 50 16,05	+2,723	—,00003	+,010	10	+16 21 0,68	9,282	+,00358	—0,08
9182	Aquilæ 7.8	3	50 31,78	2,915	, 006	+,012	3	+ 7 28 46,98	,303	, 384	+ ,01
9183	Sagittarii 9	3	50 41,56	3,533	, 014	+,006	3	—21 18 0,61	,316	, 463	+ ,03
9184	Aquilæ 8	3	50 48,61	2,943	, 006	+,006	3	+ 6 8 59,59	,326	, 387	— ,11
9185	Sagittarii 8	3	51 0,04	3,575	, 015	+,006	3	—23 4 54,47	,340	, 468	— ,14
9186	Aquilæ 9	6	51 3,04	2,838	, 005	+,004	2	+11 7 22,92	,344	, 375	+ ,04
9187	Cygni ψ 5.6	3	51 21,76	1,557	, 011	+,006	3	+52 0 12,97	,368	, 203	— ,03
9188	12 Sagittæ γ 4.5	15	51 25,20	2,663	, 003	+,013	12	+19 2 55,99	,372	, 351	— ,14
9189	106 Cygni 7	3	51 34,56	2,147	, 002	+,012	4	+38 1 3,24	,384	, 283	— ,07
9190	Sagittarii 6	7	51 35,16	3,577	, 016	+,007	5	—23 11 3,59	,385	, 468	— ,16
9191	14 Vulpeculæ f 5	7	52 5,88	2,578	, 003	+,008	5	+22 39 18,29	,425	, 340	— ,23
9192	Aquilæ 8	2	52 10,36	2,929	, 006	+,010	3	+ 6 50 30,27	,429	, 383	— ,06
9193	Pavonis δ 4	3	52 27,62	5,795	, 117	——	8	—66 35 28,14	,453	, 758	—1,04
9194	62 Sagittarii c 4.5	7	52 30,18	3,702	, 018	+,010	6	—28 9 42,31	,456	, 485	—0,10
9195	——— H 6	3	52 34,78	4,005	, 023	+,014	5	—38 23 20,50	,462	, 527	— ,14
9196	13 Sagittæ χ 6	3	52 36,16	2,709	, 003	—,002	5	+17 4 12,84	,463	, 355	— ,12
9197	——— 7.8	3	52 41,59	2,707	, 003	+,011	4	+17 9 50,17	,471	, 355	— ,04
9198	Cephei 7	3	52 43,27	1,307	, 011	+,029	4	+56 14 45,89	,473	, 168	— ,01
9199	63 Sagittarii 6	5	52 43,73	3,367	, 012	+,013	5	—14 5 16,27	,474	, 439	— ,05
9200	17 Cephei 6	3	52 46,01	1,155	, 014	+,015	3	+58 24 24,29	,476	, 150	— ,05
9201	Aquilæ 8	3	52 49,97	2,915	, 006	+,005	4	+ 7 31 59,64	,482	, 381	— ,06
9202	——— 8.9	3	52 52,82	2,927	, 006	+,011	3	+ 6 57 47,31	,485	, 383	— ,04
9203	Sagittarii 7.8	3	53 4,40	4,002	, 024	—,009	2	—38 18 48,46	,499	, 524	— ,43
9204	Aquilæ 7	3	53 10,68	3,084	, 007	—,006	3	— 0 38 57,11	,508	, 405	— ,09
9205	Vulpeculæ 8	1	53 12,36	2,595	, 003	+,002	4	+21 59 31,06	,510	, 340	— ,03
9206	Sagittarii 7.8	3	53 21,12	4,314	, 037	——	3	—46 33 11,77	,521	, 566	——
9207	——— 8	3	53 42,28	3,469	, 014	+,005	4	—18 41 46,00	,548	, 451	+ ,01
9208	——— L¹ 5	2	53 51,23	3,820	, 021	+,027	5	—32 30 45,29	,560	, 498	— ,11
9209	119 Cygni 6	6	53 52,20	2,198	, 002	+,008	6	+36 35 38,23	,561	, 289	— ,07
9210	Sagittarii 6.7	4	53 57,24	3,571	, 016	+,001	5	—23 3 7,90	,567	, 464	— ,02
9211	337 Sagittarii 7	3	54 12,62	3,405	, 014	+,006	3	—15 52 6,57	,587	, 442	— ,08
9212	15 Vulpeculæ g 5	4	54 18,56	2,465	, 003	+,018	5	+27 18 7,75	,590	, 322	— ,01
9213	Telescopii 6.7	3	54 33,36	4,778	, 052	——	3	—55 28 49,25	,613	, 628	——
9214	——— 6	7	54 42,86	4,647	, 049	——	6	—53 20 40,46	,625	, 612	——
9215	Vulpeculæ 5	4	54 45,36	2,540	, 003	——	7	+24 20 51,13	,629	, 332	——
9216	123 Cygni 6.7	2	54 52,81	1,591	, 010	+,007	3	+51 36 21,64	,639	, 207	— ,07
9217	Antinoi 8	3	54 59,21	3,079	, 007	+,018	4	— 0 21 58,17	,647	, 403	— ,03
9218	Sagittarii L² 7	3	55 0,10	3,846	, 021	+,016	4	—33 27 34,65	,648	, 502	— ,10
9219	16 Vulpeculæ h 6	3	55 1,49	2,537	, 003	+,004	5	+24 28 51,20	,650	, 333	+ ,05
9220	Cygni 7	3	55 11,39	2,199	, 002	+,012	4	+36 38 34,84	,662	, 286	— ,07
9221	341 Sagittarii 7	3	55 15,09	3,539	, 015	+,007	3	—21 46 23,62	,667	, 462	— ,19
9222	Telescopii 7.8	3	55 32,59	4,627	, 056	——	3	—53 2 41,68	,689	, 604	——
9223	18 Cephei 7	2	55 37,72	1,243	, 013	+,006	4	+57 21 33,72	,697	, 160	— ,06
9224	62 Aquilæ 6	6	55 53,14	3,095	, 007	+,002	7	— 1 9 48,71	,715	, 404	— ,25
9225	14 Sagittæ y 6	3	55 57,23	2,745	, 004	+,017	5	+15 34 24,88	,720	, 359	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9226	Capricorni 8	3	19 55 58,29	+3,425	—,00013	+,010	4	—16 50 3,90	9,722	+,00446	—0,08
9227	64 Sagittarii V 6	2	55 58,53	3,321	, 009	+,009	6	—12 3 35,98	,722	, 431	— ,13
9228	63 Aquilæ r 5.6	6	56 4,74	2,931	, 004	+,009	8	+ 6 49 3,58	,731	, 382	— ,06
9229	65 Sagittarii 6	2	56 15,53	3,344	, 010	+,014	5	—13 7 31,69	,744	, 434	— ,17
9230	Capricorni 8	3	56 23,14	3,403	, 011	+,006	5	—15 53 9,62	,754	, 440	— ,01
9231	Sagittæ 6.7	3	56 30,06	2,721	, 002	+,011	2	+16 39 36,36	,762	, 355	— ,20
9232	Antinoi 9	2	56 30,66	3,215	, 007	+,019	3	— 7 2 49,41	,763	, 418	— ,04
9233	Sagittarii 7.8	3	56 38,62	3,495	, 013	+,001	4	—19 57 13,62	,774	, 451	— ,03
9234	26 Cygni c 7	3	56 41,44	1,697	, 007	+,001	4	+49 38 53,43	,778	, 223	— ,05
9235	15 Sagittæ z 6	7	56 41,59	2,722	, 002	—,017	5	+16 37 41,86	,778	, 355	— ,21
9236	Cygni 7	2	56 46,75	2,180	, 000	+,018	3	+37 21 10,85	,785	, 283	+ ,08
9237	Sagittæ 7	2	56 47,33	2,708	, 002	+,012	3	+17 16 26,55	,786	, 352	— ,05
9238	Sagittarii 8	3	56 51,81	3,546	, 014	+,001	3	—22 8 16,78	,791	, 457	— ,18
9239	Capricorni 8	2	57 34,44	3,349	, 012	+,007	3	—13 23 37,02	,844	, 433	— ,13
9240	——— 7.8	2	57 40,77	3,338	, 012	+,011	3	—12 54 24,16	,854	, 434	— ,04
9241	Indi 7.8	5	57 41,04	4,935	, 057	——	5	—57 59 52,15	,854	, 640	——
9242	16 Sagittæ η 6	5	57 50,53	2,658	, 000	+,013	5	+19 31 23,16	,866	, 347	+ ,05
9243	Antinoi 8	2	57 58,40	3,263	, 009	+,017	3	— 9 22 53,15	,875	, 423	— ,02
9244	Vulpeculæ 7.8	1	58 3,86	2,572	, 001	+,005	3	+23 12 7,81	,882	, 334	,00
9245	Antinoi 8	2	58 37,37	3,098	, 005	+,031	3	— 1 20 24,39	,923	, 402	— ,14
9246	347 Sagittarii 7	2	58 40,63	3,477	, 013	+,014	3	—19 16 31,42	,929	, 450	— ,13
9247	Capricorni 7	9	59 10,29	3,393	, 011	+,010	9	—15 29 54,92	,965	, 438	— ,18
9248	Sagittæ 7.8	2	59 19,69	2,730	, 002	+,019	4	+16 23 55,86	,979	, 354	— ,16
9249	Antinoi 8	3	59 24,05	3,031	, 005	+,018	3	+ 1 58 17,74	,983	, 393	+ ,01
9250	Capricorni 7	5	59 29,89	3,287	, 009	+,004	9	—10 32 3,08	,991	, 425	— ,06
9251	64 Aquilæ 6	5	59 30,59	3,094	, 005	+,013	4	— 1 8 50,18	,993	, 402	— ,11
9252	64 Draconis e¹ 6	4	59 42,33	0,657	, 023	+,004	7	+64 21 41,91	10,007	, 086	+ ,09
9253	Sagittarii 7	4	59 47,66	4,195	, 031	+,001	6	—44 8 28,19	,014	, 542	— ,31
9254	17 Vulpeculæ i 5.6	6	59 47,82	2,576	, 001	—,007	5	+23 8 34,77	,014	, 384	— ,08
9255	349 Sagittarii 7.8	3	59 54,88	3,517	, 014	+,019	4	—21 3 56,00	,022	, 452	— ,08
9256	Vulpeculæ 8	4	59 58,92	2,635	, 001	+,014	2	+20 37 54,37	,028	, 340	— ,08
9257	Sagittæ 8	3	59 59,05	2,731	, 002	+,009	3	+16 32 55,84	,028	, 352	+ ,03
9258	Aquilæ 7	2	20 0 0,03	2,735	, 002	+,013	4	+16 10 30,08	,029	, 353	— ,08
9259	Cygni b¹ 6	6	0 13,86	2,245	, 000	—,008	7	+35 31 15,11	,047	, 289	— ,58
9260	Sagittarii y 6.7	3	0 20,73	3,927	, 022	+,050	6	—36 30 31,88	,056	, 505	—1,68
9261	Draconis 7	2	0 24,22	0,678	, 023	+,012	4	+64 11 40,36	,060	, 088	+0,01
9262	65 ——— e² 7	3	0 29,03	0,682	, 023	+,009	4	+64 10 9,12	,066	, 089	— ,05
9263	Aquilæ 7	4	0 34,99	2,735	, 002	—,007	4	+16 11 23,06	,074	, 353	— ,08
9264	353 Sagittarii 7	2	0 51,29	3,488	, 013	+,011	4	—19 51 23,50	,094	, 448	— ,11
9265	352 ——— 7	3	1 2,07	4,158	, 029	—,005	3	—43 15 28,84	,108	, 535	— ,24
9266	Sagittæ 7.8	3	1 2,26	2,656	, 001	+,011	3	+19 44 38,84	,108	, 343	— ,05
9267	Vulpeculæ 8.9	3	1 25,81	2,625	, 001	+,018	2	+21 8 41,90	,137	, 338	— ,03
9268	Aquilæ 7	2	1 37,23	2,731	, 002	—,005	3	+16 25 53,58	,153	, 352	— ,11
9269	Antinoi 8.9	3	1 42,12	3,205	, 008	+,017	4	— 6 38 35,94	,159	, 412	— ,08
9270	Indi 6.7	3	1 46,56	4,597	, 047	——	3	—52 55 50,24	,165	, 592	——

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9271	Vulpeculæ	7	2	20 1 48,15	+2,514	—,00001	+,007	2	+25 47 51,12	10,166	+,00323	—0,04
9272	67 Draconis ρ	5	11	2 2,75	0,303	, 030	+,016	7	+67 24 12,06	,185	, 038	+ ,03
9273	Antinoi	7	2	2 13,00	3,260	, 009	+,009	3	— 9 19 28,35	,197	, 418	— ,04
9274	Cygni	8	3	2 13,41	2,188	, 001	+,025	4	+37 29 25,27	,197	, 281	— ,07
9275	Antinoi	7	2	2 18,34	3,204	, 009	+,006	2	— 6 34 13,86	,204	, 411	— ,12
9276	Sagittæ		3	2 24,21	2,643	, 001	——	—	+20 25 ——	,211	, 339	——
9277	——	7	2	2 36,28	2,643	, 001	+,007	2	+20 24 55,26	,226	, 339	— ,09
9278	——	7	3	2 39,88	2,641	, 001	+,004	3	+20 31 17,98	,230	, 339	— ,09
9279	—— θ	6.7	2	2 39,95	2,642	, 001	+,020	3	+20 25 44,77	,230	, 339	+ ,01
9280	65 Aquilæ θ	3.4	18	2 47,43	3,097	, 005	+,009	18	— 1 18 18,33	,240	, 398	— ,05
9281	Antinoi	8	3	2 48,02	3,205	, 007	+,017	1	— 6 38 0,04	,241	, 411	— ,01
9282	1 Capricorni ξ¹	6.7	4	2 49,07	3,334	, 009	+,005	5	—12 52 34,43	,242	, 426	— ,08
9283	Antinoi	7	1	2 49,19	3,083	, 005	+,017	1	— 0 37 22,97	,242	, 396	— ,07
9284	——	7	6	2 50,69	3,083	, 005	+,020	5	— 0 36 32,13	,245	, 396	— ,08
9285	66 Draconis	6	4	2 54,56	0,953	, 016	—,005	4	+61 31 4,07	,250	, 123	+ ,07
9286	Aquilæ	7.8	2	3 2,84	2,953	, 004	+,016	3	+ 5 51 52,70	,260	, 379	— ,03
9287	2 Capricorni ξ²	5	6	3 14,09	3,338	, 009	+,026	5	—13 5 40,67	,274	, 427	— ,28
9288	28 Cygni b²	5	3	3 18,24	2,226	, 001	+,016	4	+36 21 28,78	,279	, 283	,00
9289	Aquilæ	8	3	3 19,18	2,959	, 005	+,014	2	+ 5 35 16,94	,280	, 380	— ,12
9290	Antinoi	8	3	3 22,10	3,077	, 005	+,016	3	— 0 18 21,24	,284	, 396	— ,04
9291	Draconis	7	3	3 22,22	0,796	, 024	?	4	+63 13 23,12	,285	, 101	+ ,18
9292	Aquilæ	7	2	3 37,24	2,749	, 001	+,016	1	+15 41 5,95	,302	, 352	+ ,17
9293	18 Vulpeculæ	6	5	3 40,51	2,501	, 001	+,009	4	+26 25 10,70	,306	, 321	— ,06
9294	Capricorni	7.8	3	3 41,39	3,301	, 009	+,011	2	—11 19 39,13	,307	, 421	— ,08
9295	Cygni	7	3	3 54,48	2,154	, 001	—,008	3	+38 39 12,69	,323	, 275	— ,24
9296	Vulpeculæ	8	2	4 2,67	2,634	, 001	+,015	1	+20 51 57,21	,335	, 336	— ,06
9297	24 Cephei	6.7	4	4 7,93	—1,530	, 129	+,073	5	+76 1 4,14	,341	—,00195	— ,05
9298	235 Antinoi	7.8	2	4 10,10	+3,063	, 005	+,003	4	+ 0 22 47,18	,343	+,00391	— ,03
9299	Draconis	7.8	5	4 36,33	0,803	, 021	?	9	+63 13 40,39	,376	, 101	— ,01
9300	Aquilæ	F 6	3	4 42,80	3,101	, 005	+,014	4	— 1 29 53,56	,384	, 397	— ,11
9301	Aquilæ	8	3	4 44,92	2,749	, 003	+,020	3	+15 43 43,80	,387	, 352	— ,05
9302	19 Vulpeculæ	6	7	4 54,53	2,505	, 001	+,023	6	+26 19 17,23	,399	, 319	— ,11
9303	Sagittarii	R 6	5	4 59,11	3,667	, 017	+,069	7	—27 31 6,32	,405	, 464	— ,28
9304	Vulpeculæ	7.8	3	5 3,38	2,507	, 001	+,015	5	+26 15 19,04	,410	, 320	— ,08
9305	20 —— k	6	4	5 5,74	2,514	, 001	+,020	4	+25 59 25,00	,414	, 321	— ,08
9306	Capricorni	7.8	3	5 10,13	3,480	, 013	+,005	3	—19 42 4,52	,418	, 442	— ,10
9307	Aquilæ	8	2	5 12,50	2,975	, 004	+,015	3	+ 4 49 7,84	,422	, 379	— ,05
9308	——	8	5	5 17,35	2,752	, 002	+,025	5	+15 36 18,64	,428	, 351	— ,14
9309	Indi	7.8	3	5 18,74	4,555	, 043	——	3	—52 24 50,71	,430	, 584	——
9310	Capricorni	7	3	5 44,59	3,301	, 009	—,001	4	—11 23 5,48	,462	, 420	— ,08
9311	Capricorni	7.8	2	5 45,34	3,316	, 009	+,014	3	—12 7 51,08	,463	, 421	— ,11
9312	Antinoi	8	3	5 52,57	3,078	, 005	+,017	3	— 0 20 59,45	,471	, 393	,00
9313	Aquilæ	7.8	2	6 4,31	2,950	, 005	—,010	2	+ 6 5 9,46	,487	, 376	— ,07
9314	——	7.8	2	6 4,96	2,949	, 005	—,013	3	+ 6 5 51,54	,488	, 376	— ,12
9315	——	7	3	6 36,52	3,013	, 006	+,005	3	+ 2 54 38,01	,527	, 384	— ,06

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9316	67 Aquilæ	ρ 5	8	20 6 38,68	+2,772	—,00001	+,015	10	+14 42 0,20	10,531	+,00354	—0,07
9317	Capricorni	7	1	6 40,71	3,414	, 015	+,016	2	—16 47 30,26	,533	, 433	— ,14
9318	Indi	7	6	7 4,64	4,343	, 038	——	6	—48 12 51,19	,561	, 551	——
9319	Pavonis	7.8	7	7 5,21	4,981	, 065	——	8	—59 14 8,13	,562	, 628	——
9320	Antinoi	8.9	2	7 7,10	3,132	, 006	—,006	3	— 3 3 47,33	,564	, 397	— ,06
9321	Aquilæ	7.8	2	7 13,67	3,024	, 004	+,012	3	+ 2 20 55,11	,573	, 384	— ,02
9322	3 Capricorni	6.7	6	7 14,50	3,330	, 011	+,014	5	—12 50 10,14	,574	, 422	— ,13
9323	Cephei	7.8	3	7 26,48	1,032	, 015	+,006	3	+60 51 16,49	,588	, 132	+ ,06
9324	21 Vulpeculæ	l 5.6	6	7 27,99	2,462	, 000	+,009	5	+28 11 56,56	,590	, 312	— ,07
9325	Indi	7	10	7 39,92	4,726	, 054	——	9	—55 33 23,74	,606	, 598	——
9326	Cygni	8	2	7 54,12	2,244	, 000	+,016	1	+36 6 28,29	,623	, 283	— ,07
9327	30 ——	o¹ 5	2	8 6,92	1,884	, 003	+,011	4	+46 19 11,72	,638	, 238	+ ,01
9328	4 Capricorni	6	4	8 19,39	3,536	, 014	+,007	4	—22 18 47,13	,653	, 445	— ,15
9329	Cygni	b³ 5.6	2	8 21,44	2,239	, 000	+,015	3	+36 18 12,87	,655	, 282	— ,09
9330	22 Vulpeculæ	m 5.6	4	8 22,72	2,590	, 000	+,008	5	+23 0 32,33	,657	, 328	— ,08
9331	31 Cygni	o² 4	9	8 26,32	1,888	, 002	+,011	10	+46 14 38,86	,662	, 238	— ,05
9332	——	7	3	8 27,39	1,889	, 002	+,014	4	+46 12 51,15	,663	, 238	— ,07
9333	——	7.8	4	8 29,47	2,240	, 000	+,003	4	+36 15 10,14	,666	, 283	— ,01
9334	5 Capricorni	α¹ 4	11	8 29,93	3,333	, 011	+,008	5	—13 0 44,06	,667	, 422	— ,12
9335	269 Draconis	6.7	4	8 52,46	0,980	, 015	+,052	4	+61 34 49,25	,694	, 126	+ ,10
9336	6 Capricorni	α² 3	23	8 53,70	3,333	, 011	+,007	31	—13 2 59,32	,696	, 422	— ,02
9337	Indi	7	4	8 54,59	4,445	, 040	——	4	—50 31 34,91	,697	, 560	——
9338	23 Vulpeculæ	n 4.5	7	8 56,09	2,487	, 000	+,007	5	+27 18 45,22	,699	, 314	— ,04
9339	18 Sagittæ	6	5	9 4,91	2,635	, 000	+,012	5	+21 5 47,75	,710	, 333	— ,13
9340	33 Cygni	4.5	3	9 33,37	1,392	, 009	+,022	5	+56 3 53,49	,745	, 173	+ ,02
9341	Aquilæ	7.8	3	9 34,39	2,761	, 001	+,004	3	+15 22 6,32	,747	, 349	— ,05
9342	Vulpeculæ	6	3	9 36,28	2,489	, 000	+,015	4	+27 16 19,61	,749	, 313	— ,02
9343	Indi	6.7	3	9 40,05	4,440	, 043	——	3	—50 30 3,94	,754	, 559	——
9344	24 Vulpeculæ	o 5	3	9 43,49	2,565	, 000	+,003	5	+24 10 4,75	,757	, 322	— ,01
9345	Capricorni	7.8	3	9 47,75	3,369	, 012	+,011	3	—14 47 59,24	,763	, 425	— ,05
9346	7 Capricorni	σ 5.6	2	9 52,15	3,473	, 014	+,010	5	—19 37 38,24	,768	, 438	— ,05
9347	Vulpeculæ	7.8	3	9 53,82	2,636	, 000	+,013	3	+21 3 42,19	,770	, 332	,00
9348	Cygni	7	5	10 18,88	2,236	, 000	+,014	4	+36 33 3,88	,801	, 281	— ,10
9349	32 ——	4.5	5	10 21,98	1,853	, 004	—,011	7	+47 12 38,84	,804	, 232	+ ,05
9350	Draconis	6.7	2	10 25,36	1,109	, 013	+,030	3	+60 8 15,20	,808	, 140	,00
9351	Capricorni	8.9	3	10 38,34	3,368	, 013	+,002	3	—14 17 7,71	,825	, 424	— ,03
9352	Sagittarii	7.8	2	10 42,79	4,059	, 029	——	2	—41 46 15,90	,830	, 507	——
9353	Capricorni	7	3	10 55,22	3,484	, 014	+,011	3	—20 9 22,37	,845	, 435	— ,02
9354	Sagittarii	I¹ 6	5	11 13,71	4,103	, 030	+,003	6	—42 33 43,26	,868	, 513	— ,22
9355	Vulpeculæ	7	3	11 20,17	2,640	, 000	,000	3	+21 0 34,91	,875	, 332	+ ,01
9356	Capricorni	β¹ 7	5	11 30,04	3,378	, 013	—,006	5	—15 17 47,48	,887	, 424	+ ,19
9357	8 ——	ν 5	5	11 30,51	3,336	, 013	+,005	6	—13 16 20,14	,888	, 418	— ,06
9358	——	8	2	11 32,82	3,454	, 014	+,011	2	—18 50 16,74	,891	, 432	+ ,10
9359	Vulpeculæ	7.8	2	11 37,74	2,608	, 000	—,007	2	+22 25 42,80	,898	, 326	— ,02
9360	Antinoi	7.8	4	11 38,76	3,206	, 007	+,003	3	— 6 52 16,51	,899	, 402	— ,13

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s.	s		° ′ ″	″ +	″	″
9361	168 Cygni 5.6	3	20 11 42,41	+2,208	—,00000	+,007	3	+37 31 24,41	10,902	+,00274	—0,12
9362	9 Capricorni β² 3.4	5	11 44,12	3,378	, 013	+,008	10	—15 17 47,42	,905	, 423	— ,08
9363	271 Draconis 7	3	12 10,67	0,745	, 022	+,003	4	+64 15 31,98	,936	, 091	+ ,06
9364	Vulpeculæ 7.8	2	12 17,25	2,607	, 000	+,007	3	+22 29 0,72	,945	, 327	— ,04
9365	Cygni p 6	1	12 17,77	2,242	, 000	+,004	3	+36 29 11,01	,946	, 280	— ,12
9366	Cygni m 5.6	3	12 18,90	2,302	, 000	+,007	4	+34 28 15,36	,947	, 287	— ,06
9367	Antinoi 7.8	5	12 20,71	3,206	, 007	+,012	3	— 6 52 1,90	,948	, 402	— ,14
9368	Capricorni 7.8	3	12 25,30	3,534	, 016	+,020	3	—22 28 28,05	,954	, 441	— ,10
9369	Pavonis α 2	4	12 32,76	4,812	, 063	——	5	—57 15 16,38	,964	, 602	——
9370	Sagittarii I² 6	3	12 39,04	4,113	, 032	+,007	4	—42 56 42,07	,973	, 514	— ,15
9371	Capricorni 8	3	13 2,48	3,399	, 012	+,017	2	—16 20 47,64	11,001	, 424	+ ,23
9372	Antinoi 8.9	2	13 5,38	3,210	, 008	+,003	2	— 7 5 3,00	,003	, 400	— ,04
9373	Cephei 8	4	13 12,91	1,389	, 010	+,013	4	+56 23 44,72	,012	, 168	— ,12
9374	Sagittarii 6	3	13 16,18	4,084	, 031	——	3	—42 11 30,95	,016	, 508	——
9375	Capricorni 8	3	13 28,18	3,327	, 011	,000	3	—12 54 8,19	,031	, 415	— ,03
9376	Cephei 7.8	2	13 33,66	—1,895	, 165	+,110	3	+77 19 45,76	,038	—,00242	— ,07
9377	Capricorni 8	2	13 38,89	+3,255	, 009	+,021	1	— 9 20 43,74	,045	+,00407	,00
9378	——— 8	2	13 40,06	3,452	, 013	+,017	3	—18 51 43,94	,046	, 429	— ,03
9379	Vulpeculæ 8	2	13 45,25	2,643	, 000	+,018	2	+21 0 0,55	,052	, 329	— ,06
9380	Capricorni 8	1	13 52,88	3,397	, 012	+,010	2	—16 18 41,35	,062	, 423	— ,10
9381	21 Capricorni 7	3	14 12,47	3,365	, 012	+,008	1	—14 46 46,25	,084	, 419	— ,05
9382	Antinoi 9	4	14 13,75	3,192	, 007	+,015	1	— 6 11 52,92	,086	, 397	— ,02
9383	1 Cephei κ 4.5	8	14 18,00	—1,837	, 162	+,088	10	+77 12 40,29	,092	—,00233	+ ,07
9384	Capricorni 8	1	14 33,38	+3,567	, 017	+,027	2	—24 0 2,20	,110	+,00442	— ,12
9385	Vulpeculæ 9	2	14 33,91	2,646	, 000	+,012	2	+20 52 50,75	,111	, 329	— ,14
9386	Cephei 7.8	1	14 36,11	1,010	, 018	+,008	4	+61 37 27,39	,114	, 128	+ ,04
9387	Sagittarii 6.7	3	14 45,46	4,049	, 029	——	3	—41 19 14,39	,125	, 500	——
9388	25 Vulpeculæ 6	6	14 58,00	2,585	, 000	+,007	5	+23 35 37,05	,140	, 321	+ ,25
9389	22 Capricorni 8	3	15 1,31	3,361	, 010	+,018	4	—14 38 19,18	,145	, 418	— ,12
9390	Delphini 8	2	15 31,69	2,879	, 002	+,007	3	+ 9 50 15,62	,181	, 352	— ,03
9391	26 Capricorni 7	3	15 32,53	3,474	, 014	+,005	3	—19 57 44,09	,182	, 430	— ,07
9392	Vulpeculæ 8	3	15 33,63	2,587	, 000	+,002	2	+23 33 16,13	,183	, 323	— ,08
9393	25 Capricorni 7	3	16 3,07	3,311	, 011	+,023	4	—12 14 0,61	,220	, 411	— ,08
9394	Vulpeculæ 7.8	2	16 4,53	2,589	, 000	+,001	2	+23 30 41,17	,222	, 322	— ,09
9395	Antinoi 8	3	16 8,90	3,111	, 006	+,015	2	— 2 4 12,97	,227	, 384	— ,09
9396	Sagittarii 7	3	16 10,63	3,935	, 026	—,023	4	—37 55 48,85	,229	, 486	— ,25
9397	Antinoi 7	3	16 12,98	3,061	, 003	+,014	2	+ 0 32 22,85	,232	, 380	— ,12
9398	Vulpeculæ 7	2	16 16,23	2,598	, 000	+,010	1	+23 8 35,07	,235	, 322	— ,13
9399	Antinoi 7.8	2	16 18,16	3,055	, 003	+,005	2	+ 0 50 26,80	,238	, 380	— ,07
9400	37 Cygni γ 3	31	16 18,54	2,150	, 000	+,012	51	+39 43 55,47	,238	, 266	— ,03
9401	Pavonis 8.9	3	16 20,98	4,937	, 068	——	3	—59 18 32,41	,241	, 609	——
9402	Delphini 9	1	16 21,07	2,862	, 002	+,013	2	+10 41 43,12	,241	, 354	— ,23
9403	Antinoi 9	1	16 32,47	3,147	, 007	+,005	2	— 3 57 11,60	,256	, 389	— ,20
9404	273 Draconis 6.7	6	16 50,63	1,014	, 018	+,012	6	+61 44 5,86	,278	, 126	+ ,05
9405	Capricorni 7.8	1	16 51,65	3,467	, 014	—,001	2	—19 41 2,92	,279	, 425	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9406	Capricorni 7.8	1	20 17 4,63	+3,355	—,00011	+,008	1	—14 23 43,82	11,295	+,00414	—0,06
9407	39 Cygni h 5	7	17 16,34	2,390	, 001	+,008	5	+31 39 41,65	,308	, 294	— ,02
9408	Vulpeculæ 7.8	3	17 19,10	2,585	, 000	+,014	2	+23 44 50,33	,312	, 319	— ,05
9409	Antinoi 7.8	3	17 21,93	3,156	, 007	—,022	1	— 4 23 50,25	,315	, 389	— ,04
9410	——— 8.9	4	17 23,86	3,148	, 007	+,015	2	— 3 58 38,66	,318	, 389	— ,17
9411	Capricorni 7.8	1	17 31,44	3,474	, 014	+,012	2	—20 4 48,55	,327	, 428	— ,050
9412	10 ——— π 5	5	17 52,23	3,445	, 013	+,005	5	—18 44 48,61	,351	, 423	— ,08
9413	Antinoi 7	1	17 56,44	3,025	, 004	+,006	2	+ 2 25 26,00	,356	, 372	— ,02
9414	Vulpeculæ 8	2	18 4,77	2,605	, 001	+,011	2	+22 54 44,48	,367	, 320	— ,09
9415	Sagittarii ϰ 6	3	18 10,45	3,875	, 026	+,002	4	—36 7 59,75	,374	, 477	— ,09
9416	Antinoi 7	2	18 18,93	3,044	, 004	+,011	3	+ 1 22 53,85	,384	, 377	— ,07
9417	Vulpeculæ 8	1	18 49,08	2,603	, 000	+,004	2	+23 4 0,46	,420	, 320	— ,10
9418	Draconis 7	4	18 51,02	0,923	, 019	+,010	2	+62 54 12,13	,422	, 120	— ,01
9419	Antinoi 8	2	18 51,85	3,147	, 007	+,019	3	— 3 55 58,97	,423	, 387	— ,15
9420	——— 8	2	18 53,16	3,122	, 007	—,010	2	— 2 39 13,91	,425	, 382	— ,13
9421	Antinoi 7.8	3	18 54,83	3,121	, 007	+,012	3	— 2 38 13,26	,427	, 383	— ,10
9422	Delphini 8.9	1	19 13,20	2,861	, 002	+,020	3	+10 49 2,55	,448	, 351	— ,05
9423	11 Capricorni ρ 5	8	19 26,58	3,435	, 013	+,015	8	—18 21 11,17	,466	, 422	— ,06
9424	34 ——— 7	3	19 34,96	3,436	, 013	+,019	4	—18 24 39,73	,475	, 422	— ,21
9425	——— 6.7	6	19 35,08	3,427	, 013	+,011	5	—17 58 27,66	,475	, 420	— ,05
9426	268 Aquilæ 6	3	19 46,34	3,146	, 007	+,014	4	— 3 58 50,50	,488	, 384	— ,15
9427	Capricorni f 6	5	19 50,05	3,535	, 016	+,004	5	—22 55 58,71	,493	, 431	— ,14
9428	Antinoi 8	4	19 55,71	3,166	, 007	+,005	4	— 4 58 12,40	,500	, 386	— ,03
9429	——— 7.8	2	19 57,69	3,025	, 005	+,011	2	+ 2 23 49,40	,502	, 371	+ ,03
9430	Aquilæ 7.8	2	20 5,87	2,919	, 004	+,007	3	+ 7 53 45,04	,512	, 357	— ,12
9431	Antinoi 7.8	5	20 11,18	3,065	, 005	+,003	6	+ 0 20 34,26	,518	, 377	— ,08
9432	Vulpeculæ 7.8	3	20 11,77	2,601	, 000	+,015	4	+23 14 59,54	,519	, 317	— ,15
9433	Capricorni o¹ 7	2	20 24,71	3,450	, 013	+,003	5	—19 7 23,21	,535	, 421	+ ,14
9434	12 ——— o² 6	6	20 25,98	3,450	, 013	—,002	5	—19 7 24,06	,537	, 421	— ,19
9435	Delphini 7.8	2	20 32,73	2,923	, 003	+,010	2	+ 7 43 2,19	,544	, 358	— ,14
9436	276 Draconis 7	2	20 41,34	1,038	, 016	—,001	4	+61 43 55,57	,554	, 129	— ,15
9437	69 Aquilæ G 5	6	21 1,44	3,136	, 007	+,017	7	— 3 25 42,77	,579	, 383	— ,06
9438	Cephei 7	4	21 13,73	—1,852	, 172	+,100	5	+77 30 5,58	,594	—,00224	+ ,02
9439	Antinoi 8	5	21 19,84	+3,166	, 007	+,005	3	— 4 58 54,39	,599	+,00385	— ,50
9440	197 Cygni 6.7	3	21 27,47	2,222	, 001	+,006	4	+37 54 4,65	,610	, 270	— ,20
9441	Antinoi 8.9	2	21 49,84	3,184	, 008	+,012	3	— 5 56 10,51	,636	, 388	— ,07
9442	Pavonis φ¹ 6	5	21 52,09	5,047	, 077	——	5	—61 7 43,11	,638	, 610	——
9443	Antinoi 8.9	2	21 53,19	3,192	, 008	+,005	2	— 6 22 21,78	,639	, 388	— ,04
9444	Capricorni 7.8	3	21 56,36	3,274	, 010	+,010	2	—10 34 52,05	,643	, 398	— ,06
9445	Cygni ω¹ 7	2	21 59,73	1,826	, 006	+,014	4	+48 50 20,70	,648	, 223	+ ,07
9446	1 Delphini 6	6	22 24,18	2,872	, 002	+,018	5	+10 20 53,52	,677	, 351	— ,10
9447	Capricorni 7.8	2	22 28,99	3,587	, 018	+,008	4	—25 25 16,16	,683	, 434	— ,01
9448	375 Sagittarii 6	3	22 33,08	4,160	, 037	—,010	3	—45 4 5,00	,687	, 502	+ ,04
9449	Capricorni 8	4	22 33,48	3,525	, 016	+,011	2	—22 42 23,09	,687	, 427	— ,06
9450	——— 8	3	22 35,74	3,526	, 016	+,021	3	—22 42 48,63	,690	, 427	— ,06

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9451	41 Cygni	ε 4.5	13	20 22 39,19	+2,449	—,00001	—,012	17	+29 49 18,92	11,694	+,00298	—0,07
9452	Delphini	8	2	22 40,05	2,695	, 000	+,005	3	+19 7 12,09	,695	, 330	— ,12
9453	202 Cygni	6	1	23 3,08	2,286	, 001	+,024	4	+35 54 28,03	,723	, 277	— ,04
9454	Capricorni	6	6	23 5,21	3,588	, 018	+,003	5	—25 29 40,36	,726	, 432	— ,10
9455	41 ———	7	2	23 10,27	3,406	, 013	—,003	3	—17 9 42,57	,731	, 411	— ,08
9456	Antinoi	8	2	23 17,10	3,147	, 008	+,012	4	— 3 59 34,31	,739	, 380	— ,11
9457	15 Delphini	7	2	23 19,10	2,866	, 002	—,005	4	+10 42 34,03	,741	, 350	— ,08
9458	———	7.8	3	23 20,44	2,866	, 002	+,005	3	+10 42 37,12	,743	, 349	— ,12
9459	271 Aquilæ	7	3	23 21,25	3,181	, 008	+,012	3	— 5 47 42,76	,744	, 385	— ,07
9460	Capricorni	u 6	5	23 21,85	3,270	, 009	+,034	5	—10 24 37,41	,745	, 394	+ ,05
9461	Cygni	7	2	23 25,10	1,851	, 007	+,008	1	+48 22 21,02	,748	, 225	— ,11
9462	———	8	1	23 43,82	1,855	, 006	—,018	3	+48 19 9,49	,771	, 225	— ,28
9463	———	7.8	8	23 48,71	1,838	, 007	+,003	10	+48 43 4,37	,777	, 224	— ,06
9464	Capricorni	7.8	2	23 51,98	3,526	, 016	—,016	3	—22 47 4,38	,780	, 425	— ,15
9465	378 Sagittarii	7	2	24 9,91	3,936	, 029	+,008	5	—38 38 53,03	,802	, 473	— ,09
9466	16 Delphini	7	3	24 18,17	2,752	, 001	+,017	3	+16 26 22,34	,811	, 332	— ,09
9467	204 Cygni	7.8	3	24 43,65	2,276	, 001	+,030	2	+36 23 1,66	,841	, 275	— ,03
9468	———	7	1	24 56,33	2,383	, 001	—,003	3	+32 32 43,77	,855	, 286	— ,13
9469	45 ———	ω² 5	6	24 56,89	1,856	, 006	+,012	5	+48 23 58,53	,856	, 224	— ,03
9470	Capricorni	7	5	25 0,43	3,345	, 011	+,019	4	—14 16 55,93	,860	, 402	— ,01
9471	17 Delphini	7	3	25 8,56	2,758	, 001	+,004	4	+16 12 40,85	,870	, 331	— ,13
9472	2 ———	ε 4	9	25 19,87	2,867	, 002	+,010	9	+10 44 50,45	,884	, 345	— ,12
9473	Urs. Min.	λ 5.6	2	25 44,66	—48,831	,28000	,000	3	+88 48 44,85	,913	—,06100	— ,05
9474	Cygni	7	1	25 47,61	+1,848	,00006	+,005	1	+48 39 35,28	,917	+,00223	,00
9475	Aquarii	8	1	25 51,80	3,253	, 010	+,013	3	— 9 38 12,01	,921	, 391	— ,02
9476	Indi	α 3	7	25 55,98	4,260	, 040	——	5	—47 51 35,18	,926	, 509	——
9477	3 Delphini	η 6	5	26 8,86	2,834	, 003	+,022	5	+12 27 59,76	,942	, 340	— ,02
9478	Capricorni	7	4	26 11,65	3,401	, 013	+,003	5	—17 5 12,66	,945	, 409	— ,11
9479	46 Cygni	ω³ 5	3	26 13,50	1,850	, 006	+,016	3	+48 39 59,57	,947	, 223	— ,01
9480	Delphini	7.8	2	26 16,46	2,800	, 002	+,009	2	+14 9 15,92	,950	, 336	— ,07
9481	Aquarii	8	3	26 18,13	3,252	, 010	—,004	1	— 9 33 53,53	,952	, 391	— ,13
9482	Pavonis	φ² 6	6	26 19,04	5,015	, 077	——	6	—61 5 34,31	,953	, 600	——
9483	Draconis	7	2	26 21,19	0,384	, 031	+,022	2	+68 13 8,16	,956	, 046	+ ,10
9484	Aquilæ	8.9	2	26 23,67	3,035	, 005	+,021	2	+ 1 56 50,42	,959	, 365	— ,01
9485	Delphini	8	1	26 33,31	2,867	, 002	+,004	2	+10 44 59,70	,970	, 344	— ,10
9486	Pavonis	υ 5	6	26 43,46	5,639	, 118	——	6	—67 19 57,12	,981	, 676	——
9487	Cygni	8.9	2	26 44,63	2,362	, 002	+,016	2	+33 27 50,65	,982	, 282	— ,03
9488	2 Cephei	θ 5	3	26 48,13	1,017	, 016	+,026	5	+62 26 28,56	,987	, 131	+ ,04
9489	Aquilæ	8	2	26 52,69	3,120	, 007	+,010	2	— 2 36 53,54	,993	, 375	— ,03
9490	48 Capricorni	7.8	3	26 53,18	3,486	, 014	+,012	4	—21 8 58,15	,994	, 415	— ,05
9491	Aquilæ	8	3	27 26,44	3,020	, 004	+,004	3	+ 2 44 27,71	12,032	, 364	— ,10
9492	Cygni	l 6	3	27 29,41	2,331	, 002	+,011	3	+34 41 22,86	,035	, 379	— ,03
9493	Delphini	8.9	3	27 32,73	2,867	, 003	+,023	3	+10 46 31,92	,039	, 343	+ ,28
9494	4 ———	ζ 5	10	27 35,72	2,802	, 002	+,006	5	+14 6 35,30	,043	, 334	— ,12
9495	Cephei	6.7	2	27 44,46	1,473	, 010	+,009	2	+56 13 18,17	,053	, 173	— ,04

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9496	13 Capricorni r^1 6	3	20 28 5,69	+3,371	—,00014	+,008	8	—15 42 50,29	12,075	+,00401	—0,19
9497	70 Aquilæ H 5.6	7	28 8,07	3,129	, 007	+,006	2	— 3 6 57,81	,080	, 375	— ,05
9498	——— 7.8	2	28 22,32	3,035	, 004	+,013	4	+ 1 55 42,28	,096	, 364	— ,07
9499	53 Capricorni 7.8	4	28 27,87	3,411	, 014	+,019	4	—17 41 27,41	,103	, 406	— ,02
9500	Aquilæ 8	3	28 39,18	3,105	, 006	+,010	3	— 1 52 50,48	,117	, 372	— ,08
9501	Cephei 7	1	28 41,82	1,235	, 012	+,007	2	+59 51 54,39	,120	, 146	— ,13
9502	Indi 7.8	3	28 50,20	4,229	, 040	——	3	—47 23 52,54	,130	, 502	——
9503	Capricorni 7	3	28 50,55	3,492	, 016	+,009	3	—21 33 46,05	,130	, 414	— ,16
9504	99 Vulpeculæ 7	3	29 4,51	2,568	, 001	+,022	3	+25 18 51,03	,146	, 306	— ,05
9505	Cygni 7	2	29 12,84	1,838	, 006	+,002	2	+49 12 27,47	,156	, 219	— ,10
9506	Capricorni 7.8	2	29 21,81	3,409	, 014	+,008	2	—17 38 10,19	,166	, 403	— ,06
9507	Aquarii 7.8	1	29 27,45	3,163	, 006	+,009	3	— 4 57 8,26	,172	, 377	— ,04
9508	Cygni 7.8	2	29 33,35	1,865	, 006	+,016	3	+48 36 41,42	,180	, 221	— ,03
9509	71 Aquilæ I 5	6	29 48,89	3,102	, 006	+,008	5	— 1 40 35,59	,198	, 371	— ,12
9510	6 Delphini β 4	7	29 48,89	2,806	, 002	+,021	8	+14 1 33,57	,198	, 334	— ,21
9511	Microscopi 7	3	29 50,17	4,060	, 035	—,004	4	—42 58 25,27	,200	, 480	— ,08
9512	5 Delphini ι 5.6	5	29 55,48	2,869	, 003	+,013	5	+10 48 23,73	,205	, 341	— ,04
9513	Pavonis β 3	5	29 59,66	5,544	, 020	——	5	—66 47 8,81	,211	, 660	——
9514	Cygni 7.8	2	30 2,05	1,748	, 008	+,011	2	+51 17 14,66	,213	, 207	+ ,02
9515	14 Capricorni r^2 6	6	30 2,47	3,366	, 013	+,007	8	—15 31 40,86	,214	, 398	— ,16
9516	27 Vulpeculæ p 5.6	4	30 2,56	2,556	, 017	+,011	6	+25 53 29,02	,214	, 304	— ,18
9517	Delphini 8	1	30 10,38	2,836	, 002	—,001	2	+12 31 12,10	,222	, 337	— ,05
9518	Capricorni 8.9	3	30 19,04	3,366	, 013	+,009	2	—15 32 58,18	,233	, 398	— ,09
9519	Microscopi 7	3	30 20,33	4,049	, 035	—,009	4	—42 42 37,38	,234	, 478	— ,23
9520	Delphini 8	2	30 32,66	2,831	, 002	+,024	5	+12 45 13,78	,248	, 337	,00
9521	Cygni 7	2	30 33,25	1,815	, 007	+,026	4	+49 51 16,19	,249	, 216	,00
9522	282 Aquilæ 7	3	30 38,09	3,126	, 006	+,005	3	— 2 59 18,75	,255	, 372	— ,02
9523	15 Capricorni υ 5	6	30 39,08	3,430	, 014	+,008	4	—18 42 49,22	,256	, 406	— ,09
9524	Cephei F 6.7	2	30 39,51	—0,181	, 066	+,005	4	+71 58 13,62	,257	—,00022	— ,16
9525	——— 7.8	2	30 48,14	+1,148	, 014	+,020	2	+61 10 33,34	,266	+,00139	— ,05
9526	221 Cygni 7	2	30 49,46	2,435	, 002	+,018	4	+30 59 59,87	,268	, 288	— ,13
9527	——— 7	2	30 50,54	2,437	, 002	—,002	3	+30 57 3,85	,270	, 288	— ,04
9528	Delphini 7.8	2	30 54,32	2,923	, 003	+,021	2	+ 7 56 51,31	,273	, 347	— ,10
9529	8 ——— θ 4.5	7	30 56,80	2,829	, 002	+,011	7	+12 44 28,59	,277	, 335	— ,06
9530	1 Aquarii 5.6	5	30 57,46	3,072	, 005	+,012	8	— 0 5 18,76	,278	, 365	— ,09
9531	7 Delphini κ 5.6	3	31 6,99	2,894	, 002	+,034	5	+ 9 30 38,39	,288	, 342	+ ,02
9532	29 Vulpeculæ s 5.6	3	31 9,44	2,673	, 000	+,021	4	+20 37 35,20	,290	, 315	— ,08
9533	Capricorni 6.7	4	31 15,93	3,388	, 014	—,002	3	—16 42 19,95	,298	, 398	+ ,01
9534	28 Vulpeculæ 5.6	6	31 20,80	2,611	, 000	+,014	5	+23 32 29,06	,304	, 307	— ,01
9535	Cygni 8	1	31 21,75	2,461	, 001	+,004	1	+30 0 11,01	,305	, 290	+ ,01
9536	Delphini 7	3	31 25,38	2,783	, 002	—,006	3	+15 15 48,09	,309	, 328	— ,01
9537	Aquarii 7	2	31 36,67	3,131	, 006	+,006	2	— 3 13 45,08	,322	, 370	— ,12
9538	Delphini 7.8	2	31 42,74	2,832	, 002	+,012	—	+12 45 ——	,329	, 334	——
9539	Indi η 5.6	5	31 52,91	4,445	, 051	——	5	—52 30 11,27	,341	, 323	——
9540	Delphini 7	2	31 57,21	2,925	, 003	+,005	2	+ 7 52 12,82	,346	, 346	— ,08

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9541	Capricorni 7	3	20 31 57,61	+3,412	—,00014	+,003	3	—17 57 29,69	12,347	+,00401	—0,06
9542	9 Delphini α 3.4	10	31 58,50	2,782	, 002	+,012	12	+15 20 4,68	,348	, 328	— ,08
9543	Cephei 7	1	31 59,32	0,181	, 048	—,058	2	+69 57 57,79	,349	, 020	— ,05
9544	Microscopi 6.7	5	32 3,56	3,959	, 030	——	6	—40 8 28,04	,353	, 464	——
9545	Delphini 7.8	3	32 5,24	2,831	, 002	+,006	3	+12 50 32,43	,355	, 334	— ,01
9546	Delphini 8	4	32 5,74	2,833	, 002	+,010	2	+12 43 39,95	,356	, 334	— ,02
9547	Cygni 6	5	32 12,30	2,469	, 001	+,014	5	+29 45 37,77	,363	, 290	— ,07
9548	Aquarii 8.9	2	32 44,59	3,286	, 011	+,012	3	—11 31 36,92	,400	, 385	— ,09
9549	Cygni 7	6	32 58,35	1,926	, 006	+,017	5	+47 29 30,15	,416	, 224	,00
9550	Capricorni 7	3	33 16,32	3,426	, 014	——	5	—18 41 39,43	,436	, 400	——
9551	Aquarii 8	1	33 17,23	3,119	, 005	+,016	2	— 2 36 10,27	,437	, 366	— ,08
9552	Delphini 7	2	33 20,22	2,751	, 001	+,017	3	+16 59 19,54	,441	, 323	— ,03
9553	10 —— 6	5	33 32,76	2,810	, 002	+,008	5	+14 0 2,34	,456	, 330	— ,05
9554	Cephei r 6.7	1	33 35,50	—0,679	, 071	+,011	1	+74 23 17,13	,459	—,00079	+ ,06
9555	Vulpeculæ 8	1	33 37,64	+2,571	, 001	+,014	2	+25 29 51,68	,462	+,00301	— ,08
9556	Aquarii 8	2	33 39,43	3,285	, 011	+,008	1	—11 33 15,12	,464	, 385	— ,08
9557	Delphini 7.8	1	33 48,59	2,868	, 002	+,016	2	+10 58 59,24	,474	, 333	— ,15
9558	—— 7	3	33 51,26	2,825	, 002	—,004	3	+13 13 32,17	,477	, 333	— ,03
9559	Capricorni 8	2	34 1,01	3,591	, 018	+,006	2	—26 24 47,65	,488	, 420	— ,09
9560	Delphini 8	1	34 8,81	2,826	, 002	+,012	1	+13 12 21,20	,497	, 332	— ,04
9561	Microscopi 7.8	3	34 10,71	3,842	, 026	+,013	4	—36 25 0,24	,500	, 450	— ,10
9562	228 Cygni 6	2	34 22,12	2,425	, 001	+,016	3	+31 43 27,07	,513	, 283	— ,06
9563	Delphini 7	3	34 23,77	2,753	, 001	+,011	4	+16 56 5,37	,515	, 321	,00
9564	Cephei 7.8	1	34 33,48	0,950	, 021	+,001	3	+63 46 57,39	,524	, 110	+ ,03
9565	Delphini 9	1	34 59,39	2,781	, 001	+,022	1	+15 32 30,52	,554	, 325	— ,08
9566	Cygni 7.8	1	35 13,15	2,343	, 001	+,036	2	+34 57 27,12	,570	, 303	— ,06
9567	Delphini 7.8	2	35 26,41	3,008	, 004	+,010	3	+ 3 29 22,70	,585	, 353	— ,06
9568	Microscopi π 6	2	35 33,71	3,938	, 030	+,012	4	—39 47 29,88	,593	, 456	— ,11
9569	11 Delphini δ 5	4	35 45,56	2,802	, 002	—,004	6	+14 29 15,15	,607	, 326	— ,10
9570	Microscopii 7	2	35 47,00	3,846	, 027	+,011	2	—36 42 41,94	,608	, 442	— ,21
9571	50 Cygni α 1	81	35 48,60	2,042	, 004	+,012	166	+44 41 38,71	,610	, 337	— ,01
9572	—— 7.8	1	35 54,70	2,346	, 002	+,005	3	+34 52 5,02	,617	, 273	— ,09
9573	Indi 7	4	36 2,02	4,164	, 039	——	4	—46 27 0,16	,625	, 484	——
9574	Vulpeculæ 8.9	4	36 13,70	2,582	, 001	—,001	2	+25 14 6,20	,639	, 300	— ,07
9575	16 Capricorni ψ 4.5	5	36 19,05	3,574	, 018	—,005	5	—25 51 27,39	,645	, 415	— ,04
9576	Delphini 7.8	2	36 25,02	2,754	, 001	+,015	2	+16 58 50,64	,652	, 321	— ,06
9577	17 Capricorni 6	6	36 35,60	3,492	, 015	+,013	5	—22 6 29,50	,663	, 407	— ,06
9578	59 Cephei 7.8	3	36 55,46	—3,371	, 376	+,082	4	+ 80 52 4,19	,686	—,00393	+ ,05
9579	—— 8	1	37 1,81	+0,894	, 022	,000	3	+64 33 32,44	,694	+,00104	+ ,07
9580	Aquarii 8.9	1	37 4,81	3,236	, 009	+,011	1	— 9 2 56,79	,697	, 375	+ ,12
9581	234 Cygni 6	2	37 7,55	1,848	, 006	+,018	4	+49 45 0,13	,700	, 215	— ,05
9582	Microscopi ι 6	7	37 16,22	4,091	, 038	+,005	9	—44 34 59,35	,709	, 473	— ,22
9583	Delphini 7.8	6	37 16,93	2,975	, 003	+,026	6	+ 5 17 27,21	,710	, 343	— ,18
9584	Microscopii 8	8	37 34,76	4,090	, 038	——	6	—44 35 0,97	,730	, 473	——
9585	Delphini 8	6	37 42,35	2,870	, 002	+,031	7	+11 2 51,17	,739	, 334	— ,14

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9586	30 Vulpeculæ	6	5	20 37 44,40	+2,596	—,00000	+,008	1	+24 41 6,07	12,741	+,00299	—0,17
9587	Indi	ζ 6	4	38 6,11	4,171	, 010	——	4	—46 49 49,05	,766	, 479	——
9588	55 Cephei	7.8	3	38 10,69	1,495	, 010	+,008	4	+56 47 37,77	,772	, 171	— ,06
9589	279 Draconis	6	4	38 16,42	—3,332	, 376	+,088	5	+80 51 12,51	,778	—,00386	+ ,18
9590	Vulpeculæ	8.9	2	38 23,18	+2,579	, 001	+,010	3	+25 30 32,39	,785	+,00298	— ,09
9591	Antinous	7.8	2	38 31,73	3,174	, 008	+,009	2	— 5 40 55,49	,795	, 367	— ,08
9592	Capricorni	7	8	38 38,58	3,518	, 016	—,010	4	—23 26 49,72	,803	, 406	— ,08
9593	61 Cephei	6.7	2	38 42,22	—3,085	, 367	+,037	4	+80 30 30,96	,807	—,00356	+ ,24
9594	Capricorni	6	2	38 43,51	+3,515	, 016	+,002	6	—23 20 3,27	,808	+,00401	— ,28
9595	2 Aquarii	ε 4.5	9	38 44,64	3,254	, 009	+,015	8	—10 5 40,76	,809	, 374	— ,15
9596	Cygni	k 6	2	38 51,36	2,474	, 001	+,014	4	+30 7 15,68	,817	, 286	— ,03
9597	12 Delphini	γ¹ 6.7	2	38 59,56	2,785	, 001	—,005	4	+15 32 1,96	,827	, 321	— ,33
9598	12 ——	γ² 4	6	39 0,38	2,785	, 001	—,012	7	+15 32 4,93	,827	, 321	— ,23
9599	Cygni	8	1	39 0,83	2,476	, 001	+,007	2	+30 3 37,13	,828	286	,00
9600	3 Aquarii	k 4	3	39 1,55	3,172	, 008	+,006	5	— 5 37 35,94	,829	366	— ,11
9601	Cephei	7.8	3	39 25,43	1,078	, 019	+,048	3	+62 45 25,55	,854	, 124	— ,04
9602	Capricorni	6	3	39 29,30	3,580	, 018	+,002	5	—26 23 3,56	,859	, 411	— ,11
9603	53 Cygni	ε 3	5	39 32,26	2,396	, 002	+,038	10	+33 21 20,97	,862	, 275	+ ,19
9604	Indi	ι 6	5	39 32,29	4,395	, 052	——	5	—52 12 54,95	,862	, 502	——
9605	13 Delphini	λ 5.6	8	39 38,11	2,974	, 004	+,010	8	+ 5 24 25,40	,869	, 344	+ ,08
9606	Microscopi	α 4.5	5	39 38,85	3,773	, 026	+,027	5	—34 23 3,20	,870	, 333	— ,14
9607	Cephei	7.8	4	39 41,40	1,091	, 019	+,010	2	+62 37 12,88	,874	, 128	+ ,12
9608	Delphini	8	2	39 57,85	2,784	, 001	+,025	4	+15 38 16,09	,891	, 320	— ,16
9609	Capricorni	6.7	3	39 58,54	3,417	, 014	+,002	5	—18 38 20,36	,892	, 390	— ,07
9610	——	8	2	39 58,78	3,312	, 011	+,002	4	—13 12 52,41	,892	, 379	— ,03
9611	78 Capricorni	7.8	3	40 11,18	3,615	, 019	+,004	3	—27 58 22,24	,906	, 414	— ,15
9612	Cephei	7.8	5	40 22,82	1,096	, 019	+,011	4	+62 36 46,29	,919	, 128	+ ,03
9613	Microscopi	6	3	40 23,89	3,885	, 029	——	3	—38 31 44,31	,920	, 445	——
9614	Cygni	7	2	40 37,55	1,850	, 007	+,004	3	+50 4 21,69	,935	, 213	— ,05
9615	Vulpeculæ	8	3	40 41,24	2,582	, 001	,000	3	+25 34 28,20	,939	, 296	— ,08
9616	Equulei	8	2	40 54,57	2,973	, 004	+,013	3	+ 5 28 44,23	,954	, 342	— ,03
9617	54 Cygni	λ 5	10	40 59,14	2,333	, 002	+,015	5	+35 53 14,84	,959	, 267	— ,13
9618	60 Cephei	6	1	41 5,73	0,773	, 026	+,003	3	+66 3 30,81	,967	, 089	+ ,02
9619	Vulpeculæ	8	2	41 8,86	2,578	, 001	,000	2	+25 47 23,31	,970	, 296	— ,10
9620	Cephei	χ 5	5	41 15,25	1,502	, 010	—,005	6	+56 59 22,73	,977	, 170	— ,28
9621	Capricorni	6	3	41 31,15	3,597	, 019	——	—	—27 19 ——	,994	, 412	——
9622	——	p 6.7	3	41 35,82	3,309	, 011	+,020	3	—13 9 3,29	13,000	, 377	— ,17
9623	Aquarii	7.8	3	41 37,90	3,039	, 005	+,007	2	+ 1 49 32,02	,002	, 345	— ,12
9624	Capricorni	6.7	1	41 40,66	3,609	, 019	,000	5	—27 51 14,47	,005	, 410	— ,10
9625	Microscopi	β 6.7	3	41 42,72	3,752	, 025	+,010	4	—33 47 21,18	,007	, 426	— ,07
9626	Delphini	ψ 7	3	41 43,08	2,942	, 004	+,020	4	+ 7 15 20,84	,008	, 339	— ,03
9627	——	φ 6.7	2	41 45,98	2,856	, 002	+,012	5	+11 55 59,28	,011	, 328	+ ,04
9628	Indi	β 4	5	41 51,40	4,769	, 075	——	4	—59 4 6,11	,017	, 543	——
9629	3 Cephei	η 3.4	4	41 55,10	1,221	, 014	—,001	5	+61 11 58,14	,021	, 139	— ,23
9630	18 Capricorni	ω 5.6	5	41 57,72	3,601	, 018	—,002	6	—27 31 49,35	,025	, 409	— ,20

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9631	4 Aquarii 6	6	20 42 40,58	+3,182	—,00008	+,008	5	— 6 14 19,25	13,071	+,00360	—0,14
9632	Microscopi λ 1	4	42 54,76	3,934	, 031	+,021	6	—40 25 15,91	,087	, 444	— ,16
9633	Aquarii 7	2	42 59,14	3,287	, 010	+,023	4	—12 3 7,33	,092	, 372	— ,11
9634	Cephei 8.9	2	43 7,25	1,627	, 009	+,095	2	+54 57 42,64	,101	, 183	— ,11
9635	Aquarii 8.9	1	43 7,38	3,166	, 007	+,017	3	— 5 24 33,45	,101	, 359	— ,16
9636	248 Cygni 6	3	43 19,18	2,041	, 005	+,011	4	+45 30 19,94	,114	, 231	+ ,05
9637	Capricorni m 6	3	43 19,91	3,530	, 017	+,016	5	—24 23 45,49	,115	, 401	— ,13
9638	87 ——— 7	3	43 24,54	3,320	, 011	+,010	4	—13 49 4,61	,120	, 376	— ,08
9639	5 Aquarii 6	5	43 25,06	3,179	, 007	+,005	8	— 6 7 15,12	,121	, 358	— ,12
9640	65 Cephei 7	1	43 30,83	0,417	, 034	+,011	3	+69 9 4,19	,127	, 047	+ ,10
9641	Capricorni 8.9	2	43 33,96	3,376	, 013	+,012	2	—16 46 43,87	,131	, 381	+ ,21
9642	Aquarii 9	2	43 37,39	3,165	, 008	+,019	3	— 5 19 2,97	,135	, 358	— ,09
9643	——— 8.9	2	43 44,84	3,139	, 007	+,016	2	— 3 50 2,46	,142	, 354	— ,16
9644	6 ——— μ 4.5	10	43 45,05	3,242	, 008	+,010	10	— 9 36 50,37	,142	, 366	— ,16
9645	——— 8.9	2	43 47,56	3,084	, 005	+,013	2	— 0 44 1,40	,145	, 338	— ,04
9646	Equulei 7	1	43 56,81	2,947	, 003	+,010	2	+ 6 58 7,03	,156	, 335	— ,06
9647	Aquarii 6	4	44 3,82	3,289	, 010	+,016	3	—12 11 31,34	,163	, 370	+ ,08
9648	Capricorni 8	2	44 6,80	3,583	, 019	+,013	2	—26 56 0,55	,166	, 404	— ,15
9649	250 Cygni 5.6	3	44 13,38	2,116	, 004	+,017	3	+43 26 28,25	,174	, 238	+ ,10
9650	Delphini 7.8	1	44 23,40	2,891	, 003	+,017	1	+10 6 58,83	,185	, 329	+ ,05
9651	Vulpeculæ 7	2	44 28,25	2,544	, 001	+,013	1	+27 38 9,13	,190	, 286	— ,06
9652	Equulei 8.9	6	44 35,89	2,952	, 004	+,018	5	+ 6 42 50,66	,198	, 335	— ,05
9653	——— 9	2	44 37,11	2,953	, 004	?	2	+ 6 42 16,70	,199	, 335	— ,07
9654	Capricorni 7.8	1	44 38,03	3,566	, 019	+,040	2	—26 11 36,35	,200	, 404	— ,08
9655	31 Vulpeculæ r 6	5	45 4,25	2,569	, 001	+,014	5	+26 28 59,39	,225	, 288	— ,13
9656	Aquarii 6.7	4	45 10,80	3,203	, 009	+,023	4	— 7 30 28,08	,237	, 361	— ,13
9657	——— 7.8	2	45 23,38	3,162	, 007	+,001	2	— 5 9 45,51	,250	, 356	— ,07
9658	19 Capricorni 6	6	45 27,90	3,408	, 014	—,006	5	—18 32 35,24	,255	, 383	— ,04
9659	——— 8.9	3	45 33,11	3,576	, 020	+,032	4	—26 44 2,49	,261	, 403	— ,10
9660	Cephei 8	1	45 34,77	0,412	, 034	+,002	1	+69 19 35,59	,263	, 046	— ,04
9661	Microscopi 8.9	2	45 41,84	3,702	, 025	+,007	2	—32 10 29,07	,270	, 414	— ,02
9662	Capricorni 8	1	45 44,06	3,357	, 013	+,007	1	—15 54 15,21	,272	, 376	— ,10
9663	Equulei 7	5	45 51,13	3,013	, 004	+,013	7	+ 3 20 5,01	,280	, 339	— ,15
9664	Aquarii 8	3	46 15,20	3,208	, 009	+,009	2	— 7 47 34,58	,308	, 361	— ,20
9665	Delphini 9.10	2	46 39,54	2,880	, 002	+,014	3	+10 49 7,57	,324	, 325	— ,02
9666	Microscopi μ 7	5	46 43,23	4,060	, 042	——	5	—44 42 44,19	,328	, 455	—1,0 T
9667	Aquarii 8	1	46 45,43	3,050	, 004	+,008	—	+ 1 12 ——	,330	, 346	——
9668	Capricorni 7	5	46 58,40	3,578	, 020	+,011	5	—26 55 10,54	,355	, 401	— ,10
9669	Equulei 7.8	2	47 0,47	2,951	, 003	+,012	2	+ 6 54 22,65	,357	, 330	— ,08
9670	70 Cephei 7	2	47 16,94	0,468	, 033	+,019	4	+69 2 34,23	,376	, 051	+ ,13
9671	57 Cygni 5	7	47 24,64	2,117	, 006	+,006	5	+43 45 54,88	,384	, 237	— ,04
9672	Equulei 6	11	47 24,97	3,003	, 004	+,020	11	+ 3 54 26,61	,385	, 335	— ,05
9673	32 Vulpeculæ q 4.5	10	47 31,88	2,554	, 002	+,012	10	+27 26 3,37	,392	, 285	— ,06
9674	Capricorni 8.9	1	47 32,11	3,366	, 013	+,009	2	—16 28 42,79	,392	, 376	— ,02
9675	Equulei 8	2	47 41,46	2,948	, 004	+,002	1	+ 7 2 34,11	,402	, 329	— ,17

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9676	16 Delphini	χ 6	5	20 47 46,44	+2,861	—,00004	+,023	5	+11 56 30,83	13,407	+,00302	—0,05
9677	17 ———	μ 6	7	47 48,13	2,840	, 004	+,016	5	+13 5 48,06	,409	, 300	— ,12
9678	Capricorni	9	1	47 56,90	3,371	, 015	+,018	2	—16 48 4,28	,419	, 356	— ,09
9679	7 Aquarii	6	8	47 58,68	3,252	, 013	+,001	9	—10 19 29,16	,420	, 343	— ,09
9680	2 Vulpeculæ	7	1	47 59,32	2,554	, 002	+,009	3	+27 28 5,32	,421	, 269	— ,28
9681	Aquarii	8	1	48 16,55	3,195	, 011	+,013	2	— 7 5 55,06	,439	, 334	+ ,02
9682	Microscopii	8	2	48 22,11	3,699	, 025	+,020	2	—32 20 4,41	,446	, 393	— ,08
9683	Aquarii	7.8	2	48 24,48	3,052	, 006	+,009	2	+ 1 5 45,88	,448	, 322	— ,18
9684	Capricorni	7	3	48 26,03	3,368	, 015	—,001	4	—16 39 39,92	,450	, 355	— ,05
9685	Indi	ω 6.7	3	48 34,68	4,336	, 059	——	3	—51 54 18,21	,460	, 463	——
9686	Cygni	7	3	48 35,60	1,712	, 009	+,021	3	+53 53 13,48	,461	, 175	+ ,23
9687	Indi	6.7	3	48 36,58	4,454	, 061	——	3	—54 22 21,96	,462	, 477	——
9688	Aquarii	7	2	48 52,47	3,138	, 008	+,013	2	— 3 51 58,98	,478	, 331	— ,07
9689	Microscopii	7	2	48 59,88	4,015	, 038	——	3	—43 39 0,50	,487	, 425	——
9690	Equulei	6	5	49 32,83	3,009	, 006	+,010	5	+ 3 33 50,47	,522	, 317	— ,04
9691	Cephei	7.8	3	49 42,28	1,448	, 012	+,015	4	+58 40 58,12	,533	, 148	+ ,05
9692	Microscopii	7.8	3	49 55,83	3,758	, 026	+,004	4	—34 52 11,13	,547	, 395	— ,14
9693	Aquarii	7	2	50 6,88	3,148	, 009	+,007	3	— 4 28 33,10	,559	, 330	— ,03
9694	Cygni	7	3	50 7,50	2,128	, 004	+,012	1	+43 44 37,83	,561	, 222	— ,02
9695	Capricorni	8	5	50 11,02	3,382	, 015	+,026	6	—17 30 51,31	,563	, 354	+ ,02
9696	Aquarii	8	2	50 12,47	3,139	, 009	+,014	3	— 3 57 3,53	,565	, 329	— ,16
9697	20 Capricorni	6	6	50 13,28	3,423	, 016	+,009	5	—19 40 11,15	,566	, 359	— ,12
9698	———	7.8	3	50 28,53	3,594	, 022	+,015	3	—27 58 37,51	,582	, 379	— ,21
9699	18 Delphini	ν 6	4	50 29,27	2,894	, 003	+,008	5	+10 12 25,59	,583	, 304	— ,10
9700	1 Equulei	ε 5.6	2	50 49,63	3,008	, 004	—,002	5	+ 3 39 54,82	,605	, 317	— ,19
9701	8 Aquarii	z¹ 6	3	50 50,41	3,310	, 013	—,026	5	—13 41 16,38	,606	, 346	— ,08
9702	Cygni	8	2	50 53,73	2,441	, 002	+,016	3	+32 40 4,50	,609	, 254	— ,02
9703	33 Vulpeculæ	κ 5.6	6	50 54,09	2,680	, 008	+,014	5	+21 41 31,63	,610	, 281	— ,03
9704	58 Cygni	ν 4	6	51 1,32	2,231	, 003	+,005	6	+40 32 6,99	,617	, 231	— ,07
9705	———	6.7	4	51 1,64	1,882	, 007	+,007	6	+50 26 35,22	,617	, 192	— ,06
9706	Microscopii	γ 5.6	2	51 9,45	3,706	, 026	+,018	4	—32 53 49,11	,626	, 389	— ,04
9707	———	7	4	51 25,08	3,815	, 031	+,012	3	—37 12 50,74	,643	, 401	— ,07
9708	21 Capricorni	6	6	51 34,13	3,393	, 015	+,004	5	—18 10 8,08	,652	, 356	— ,03
9709	Vulpeculæ	7.8	4	51 40,92	2,681	, 000	+,010	4	+21 42 49,89	,659	, 278	+ ,01
9710	Indi	7.8	5	51 42,39	4,738	, 079	——	5	—59 34 33,80	,661	, 501	——
9711	31 Aquarii	7	2	51 49,77	3,176	, 009	+,021	3	— 6 6 56,89	,669	, 330	— ,09
9712	Microscopii	ζ¹ 7	2	51 51,03	3,868	, 033	——	2	—39 9 53,52	,670	, 404	——
9713	Cephei	K 5	4	51 52,09	1,606	, 010	——	6	+56 15 16,10	,671	, 162	——
9714	11 Aquarii	r 6	5	51 52,32	3,163	, 009	+,006	8	— 5 21 43,78	,671	, 330	— ,30
9715	Capricorni	n 6	4	51 57,00	3,581	, 022	+,018	6	—27 31 15,01	,677	, 374	— ,12
9716	Aquarii	8	3	51 57,80	3,174	, 009	+,008	4	— 5 59 48,81	,678	, 331	— ,10
9717	9 ———	z² 6	5	52 2,40	3,318	, 015	+,006	2	—14 10 11,67	,682	, 347	— ,05
9718	Cygni	8	2	52 18,74	2,230	, 004	+,020	3	+40 43 16,90	,700	, 230	+ ,02
9719	———	8	2	52 19,54	2,250	, 004	+,011	3	+40 3 43,39	,701	, 232	— ,03
9720	Microscopii	ζ 6.7	2	52 23,48	3,869	, 032	—,010	3	—39 16 9,15	,706	, 404	— ,16

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ +	″	″
9721	Delphini 7.8	2	20 52 33,81	+2,910	—,00004	+,018	2	+ 9 21 14,51	13,716	+,00303	—0,09
9722	——— 9	5	52 44,73	2,910	, 004	+,015	1	+ 9 21 20,66	,728	, 303	— ,08
9723	35 Aquarii 7	3	52 59,45	3,284	, 013	+,001	4	—12 20 13,81	,743	, 342	— ,05
9724	Indi μ 6.7	3	53 3,47	4,481	, 062	——	3	—55 22 21,37	,748	, 474	——
9725	Cygni z 6	2	53 12,86	1,919	, 008	+,002	3	+49 49 24,20	,757	, 195	— ,05
9726	Equulei 8	2	53 21,41	2,960	, 005	+,010	1	+ 6 31 24,31	,767	, 308	— ,15
9727	Aquarii 8	1	53 32,55	3,275	, 012	+,019	3	—11 49 28,75	,779	, 389	— ,09
9728	Equulei 7.8	2	53 36,31	3,539	, 020	+,019	3	—25 43 9,12	,783	, 367	— ,07
9729	Capricorni 6	1	54 2,65	3,388	, 014	—,006	2	—18 6 53,12	,811	, 350	— ,12
9730	2 Equulei λ 6	6	54 4,56	2,960	, 005	+,006	5	+ 6 32 8,84	,813	, 308	— ,09
9731	76 Draconis 5	21	54 4,82	—3,756	, 505	+,061	13	+81 54 51,10	,813	—,00390	+ ,11
9732	Cygni f¹ 6	2	54 12,81	+2,036	, 007	,000	4	+46 52 45,65	,822	+,00206	— ,03
9733	Vulpeculæ 8	2	54 22,51	2,710	, 000	+,019	2	+20 27 36,66	,832	, 280	+ ,04
9734	Indi 7	3	54 26,69	4,792	, 005	——	3	—60 38 35,92	,836	, 503	——
9735	Aquarii 7.8	2	54 29,36	3,097	, 007	+,005	3	— 1 34 11,61	,839	, 320	+ ,08
9736	Cygni 7.8	2	54 36,75	1,995	, 008	+,008	4	+48 2 14,14	,846	, 203	+ ,08
9737	Microscopii 6.7	2	54 37,42	4,959	, 040	+,023	3	—45 35 54,70	,847	, 422	— ,13
9738	Capricorni 7.8	3	54 42,59	3,400	, 015	+,003	2	—18 45 30,28	,852	, 351	— ,08
9739	Aquarii 8.9	3	54 56,10	3,188	, 009	+,014	2	— 6 53 9,73	,867	, 331	— ,08
9740	22 Capricorni η 7	4	55 0,40	3,432	, 015	+,002	5	—20 30 5,60	,871	, 355	— ,03
9741	Microscopii 6.7	3	55 4,68	3,698	, 025	+,033	6	—32 59 43,93	,876	, 383	— ,08
9742	12 Aquarii 6	5	55 20,96	3,180	, 008	+,016	5	— 6 28 16,99	,893	, 328	— ,07
9743	284 Cygni 6	2	55 25,53	2,090	, 007	+,006	4	+45 30 38,07	,898	, 212	+ ,01
9744	Capricorni 7	3	55 35,49	3,381	, 014	+,009	4	—17 48 48,66	,909	, 348	+ ,04
9745	Microscopii η 6	4	55 39,95	3,939	, 036	—,007	6	—42 2 19,24	,913	, 408	— ,15
9746	Indi 7	3	55 47,00	4,439	, 062	——	3	—54 52 4,84	,920	, 463	——
9747	Cephei h 5	4	55 48,48	—2,340	, 384	——	4	+79 54 44,30	,921	—,00250	——
9748	Microscopii 7.8	2	55 51,65	+3,939	, 036	—,038	4	—42 2 9,73	,925	+,00407	— ,08
9749	Vulpeculæ 7	4	55 54,33	2,552	, 002	+,010	3	+28 20 12,59	,928	, 261	— ,12
9750	Cygni 7	2	56 1,61	2,296	, 005	—,002	2	+38 51 41,39	,936	, 234	— ,03
9751	Microscopii δ 7.8	2	56 2,77	3,643	, 022	+,011	3	—30 46 26,48	,937	, 376	— ,08
9752	Vulpeculæ 7	4	56 11,24	2,656	, 001	+,003	3	+23 20 51,71	,946	, 271	— ,08
9753	Microscopii ε 6.7	11	56 18,72	3,695	, 025	+,010	10	—32 59 43,12	,954	, 382	— ,07
9754	Equulei 7	2	56 21,62	3,033	, 006	+,014	1	+ 2 17 27,64	,957	, 310	— ,02
9755	3 ——— ζ 6	5	56 21,82	2,990	, 005	+,010	4	+ 4 51 7,76	,957	, 307	— ,02
9756	Indi 7	3	56 27,46	4,199	, 046	——	3	—49 35 37,81	,963	, 432	——
9757	Vulpeculæ 8	4	56 28,15	2,551	, 002	—,001	3	+28 26 32,05	,964	, 259	— ,29
9758	Microscopii ρ 6.7	6	56 39,02	4,065	, 041	——	5	—46 2 6,19	,976	, 421	——
9759	23 Capricorni θ 5.6	4	56 39,97	3,381	, 014	+,019	5	—17 52 59,67	,977	, 344	— ,03
9760	Cygni 6.7	2	56 41,03	2,321	, 004	+,017	1	+38 0 29,13	,978	, 245	— ,03
9761	Vulpeculæ 9.10	—	56 ——	2,661	, 001	——	1	+23 10 17,05	,999	, 271	+ ,12
9762	4 Equulei 6	6	57 16,19	2,982	, 005	+,013	4	+ 5 19 38,15	14,014	, 306	?
9763	Capricorni 7	5	57 17,39	3,435	, 015	+,004	5	—20 50 4,98	,015	, 351	— ,06
9764	24 ——— A 5.6	3	57 28,09	3,531	, 019	+,010	5	—25 39 35,64	,026	, 362	— ,12
9765	Indi σ 7	3	57 34,82	4,731	, 080	——	3	—60 4 4,85	,033	, 490	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9766	Microscopii 7.8	2	20 57 41,18	+3,661	—,00026	+,025	2	—31 43 4,99	14,039	+,00374	+0,08
9767	290 Cygni 7	3	57 41,66	2,241	, 005	+,010	4	+40 58 43,41	,040	, 225	— ,08
9768	Vulpeculæ 8	3	57 54,29	2,667	, 000	+,011	2	+22 56 47,73	,053	, 269	— ,05
9769	Capricorni 8	5	57 57,08	3,356	, 014	+,024	5	—16 37 43,87	,056	, 338	— ,03
9770	——— 7.8	2	58 1,80	3,352	, 014	—,008	3	—16 23 51,71	,061	, 338	— ,10
9771	Capricorni 7	2	58 8,57	3,413	, 015	—,005	3	—19 44 35,28	,068	, 345	— ,03
9772	Indi 7.8	3	58 19,05	4,443	, 062	——	3	—55 14 4,93	,079	, 457	——
9773	Vulpeculæ 7	2	58 27,73	2,555	, 002	+,003	1	+28 26 28,08	,088	, 255	— ,10
9774	Capricorni 8	3	58 47,23	3,349	, 014	+,005	3	—16 16 56,70	,107	, 338	— ,11
9775	62 Cygni ξ 4	2	58 55,94	2,177	, 006	+,016	17	+43 16 20,73	,117	, 218	— ,03
9776	Aquarii 7	2	58 58,93	3,175	, 008	+,025	3	— 6 14 6,79	,120	, 322	+ ,12
9777	Equulei 8	3	59 2,40	3,013	, 005	+,009	4	+ 3 29 1,78	,123	, 306	— ,06
9778	25 Capricorni x^1 5.6	3	59 5,90	3,452	, 016	+,003	5	—21 51 5,12	,127	, 349	— ,13
9779	Microscopii 7	7	59 7,03	3,600	, 021	+,028	6	—29 7 59,00	,128	, 364	— ,27
9780	Vulpeculæ 8	1	59 12,83	2,603	, 001	+,008	1	+26 16 3,47	,134	, 261	— ,05
9781	Indi 7	3	59 14,14	4,542	, 074	——	3	—57 10 51,63	,136	, 465	——
9782	Microscopii 7	3	59 17,26	3,988	, 039	——	3	—44 2 40,42	,139	, 407	——
9783	Cygni 8	2	59 29,94	2,313	, 004	—,003	1	+38 40 7,35	,152	, 231	— ,04
9784	61 { ——— 6	5	59 30,82	2,332	, 005	+,369	7	+37 56 30,46	,153	, 233	+3,12
9785	61 { ——— 5.6	5	59 32,24	2,332	, 005	+,367	9	+37 56 30,47	,154	, 233	+2,93
9786	Vulpeculæ 7.8	7	59 41,03	2,671	, 001	+,005	6	+22 55 22,24	,163	, 268	—0,02
9787	Capricorni x^2 7.8	2	59 51,36	3,431	, 016	+,023	4	—20 51 18,50	,174	, 346	,00
9788	Vulpeculæ 8.9	4	21 0 4,35	2,675	, 001	+,012	3	+22 45 28,33	,187	, 267	— ,27
9789	Cygni 7	2	0 4,77	2,052	, 007	+,005	3	+47 8 41,39	,188	, 203	— ,17
9790	27 Capricorni x^3 6	5	0 6,54	3,438	, 016	+,017	5	—21 12 49,24	,190	, 347	— ,19
9791	Microscopii 7.8	2	0 10,56	3,625	, 023	—,009	3	—30 23 6,48	,194	, 367	— ,06
9792	Capricorni 7.8	2	0 11,35	3,365	, 014	+,010	1	—17 16 46,64	,195	, 337	— ,07
9793	Equulei 7	2	0 19,12	2,966	, 005	+,010	2	+ 6 19 38,12	,203	, 300	— ,05
9794	Cygni 8	1	0 31,61	1,865	, 009	—,011	1	+51 57 39,88	,215	, 182	— ,06
9795	13 Aquarii ν 5	2	0 36,08	3,272	, 011	+,018	5	—12 2 5,51	,220	, 328	— ,06
9796	Microscopii 7.8	2	0 38,42	3,597	, 023	+,014	2	—29 9 22,47	,222	, 364	— ,12
9797	Cygni 9	1	0 47,17	2,313	, 005	—,002	1	+38 50 11,11	,231	, 230	+ ,07
9798	63 ——— f^2 5	8	0 55,10	2,062	, 007	+,001	7	+46 59 16,33	,239	, 204	+ ,03
9799	Capricorni 8	1	0 57,92	3,348	, 014	+,010	2	—16 21 55,10	,242	, 334	— ,10
9800	Equulei 9	1	1 7,64	3,013	, 006	+,016	2	+ 3 29 51,63	,252	, 304	— ,02
9801	Cygni 8	—	1 ——	2,061	, 007	——	1	+47 4 17,53	,276	, 203	— ,02
9802	Microscopii π 6.7	5	1 36,48	3,885	, 034	——	5	—40 55 45,29	,282	, 392	——
9803	Equulei 6	3	1 38,00	3,034	, 006	+,015	3	+ 2 16 36,99	,284	, 306	— ,05
9804	297 Cygni 7	3	1 39,26	2,539	, 002	+,008	5	+29 32 31,38	,285	, 252	— ,13
9805	Aquarii 7.8	2	1 52,98	3,254	, 011	+,017	3	—11 1 10,73	,299	, 323	— ,22
9806	Cygni 8	3	2 10,36	2,537	, 002	+,027	4	+29 42 36,83	,317	, 251	— ,04
9807	Equulei 8	4	2 13,66	2,905	, 003	+,030	4	+10 4 17,14	,320	, 291	— ,02
9808	5 ——— γ 5	4	2 19,11	2,915	, 003	+,013	5	+ 9 28 15,60	,325	, 292	— ,24
9809	Microscopii ξ 6	3	2 28,06	3,858	, 033	+,013	3	—40 5 12,75	,334	, 387	+ ,12
9810	16 Equulei 7	2	2 30,27	2,916	, 003	+,005	3	+ 9 22 46,41	,337	, 292	— ,15

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9811	19 Aquarii 7	3	21 2 34,15	+3,324	—,00012	+,010	4	—15 8 30,44	14,341	+,00330	0,00
9812	Indi 7	5	2 37,51	4,664	, 080	——	4	—59 36 2,75	,344	, 473	——
9813	Capricorni 8	2	2 39,14	3,430	, 016	+,027	4	—21 0 5,19	,346	, 341	— ,10
9814	Aquarii 7.8	1	2 58,64	3,325	, 013	+,015	2	—15 13 44,74	,365	, 328	— ,02
9815	Cygni 7.8	2	3 6,27	2,603	, 001	+,006	2	+26 37 54,54	,373	, 256	— ,08
9816	Cygni 7	3	3 12,60	2,085	, 007	+,003	1	+46 36 16,83	,379	, 204	+ ,06
9817	Indi 7	3	3 15,11	4,580	, 026	——	3	—58 18 24,36	,382	, 462	——
9818	3 Piscis Aust. 6	5	3 29,39	3,572	, 021	+,004	6	—28 17 12,92	,397	, 356	— ,16
9819	Indi 6.7	3	3 56,30	4,350	, 061	——	3	—53 56 21,44	,424	, 437	——
9820	Aquarii 9.10	2	4 0,83	3,199	, 010	+,003	—	— 7 49 ——	,429	, 317	——
9821	Piscis Aust 7.8	4	4 5,66	3,614	, 023	+,047	5	—30 20 12,24	,434	, 359	— ,09
9822	Equulei 7.8	2	4 15,68	2,889	, 003	+,014	2	+11 6 33,85	,444	, 287	— ,08
9823	Cygni 7.8	2	4 16,79	2,601	, 001	+,008	2	+26 52 56,66	,445	, 254	— ,05
9824	Vulpeculæ 8	2	4 21,26	2,679	, 001	+,003	2	+22 54 46,10	,449	, 262	— ,07
9825	17 Equulei 7	3	4 24,72	3,039	, 006	+,003	3	+ 1 58 11,88	,453	, 302	— ,08
9826	Vulpeculæ 8	2	4 31,24	2,689	, 001	+,019	2	+22 24 35,10	,460	, 263	— ,10
9827	113 Capricorni 7.8	3	4 32,38	3,462	, 018	+,006	4	—22 53 14,25	,461	, 343	— ,07
9828	—— 7.8	3	4 34,78	3,422	, 016	+,004	2	—20 45 52,66	,463	, 338	— ,10
9829	34 Microscopii 7	3	4 37,05	3,882	, 035	+,018	3	—41 11 0,58	,466	, 384	— ,09
9830	302 Cygni 7	2	4 46,03	2,557	, 002	+,003	4	+29 2 18,92	,475	, 249	— ,14
9831	Aquarii 7.8	1	4 46,63	3,178	, 009	+,002	2	— 6 35 11,91	,476	, 312	— ,03
9832	Cygni 7	1	5 4,54	2,281	, 005	—,008	3	+40 30 47,78	,493	, 221	+ ,05
9833	—— 6	2	5 9,75	1,849	, 009	+,013	2	+52 53 30,06	,498	, 177	— ,07
9834	Equulei 8	5	5 22,52	2,899	, 003	+,032	5	+10 32 11,31	,511	, 288	— ,10
9835	Capricorni 8.9	2	5 34,29	3,434	, 016	—,001	3	—21 27 43,13	,524	, 338	— ,12
9836	Capricorni 7	1	5 35,23	3,453	, 017	+,010	2	—22 29 34,61	,525	, 341	— ,11
9837	Pegasi Z 6.7	3	5 43,25	2,819	, 001	+,013	5	+15 18 25,83	,533	, 277	— ,08
9838	64 Cygni ζ 3	8	5 54,98	2,549	, 002	+,009	11	+29 33 12,21	,545	, 249	— ,13
9839	Aquarii 7	6	6 8,33	3,197	, 010	+,012	6	— 7 45 54,38	,558	, 313	— ,02
9840	28 Capricorni φ 6	8	6 13,86	3,430	, 016	+,006	4	—21 19 52,96	,564	, 337	— ,02
9841	Equulei 9	2	6 14,54	2,900	, 003	—,007	2	+10 30 31,41	,565	, 286	— ,10
9842	7 —— δ 4.5	5	6 26,79	2,920	, 003	+,012	12	+ 9 20 32,43	,577	, 288	— ,40
9843	Indi 7.8	2	6 36,24	4,142	, 050	——	2	—49 23 50,81	,587	, 416	——
9844	29 Capricorni s 5	5	6 36,56	3,332	, 013	—,006	5	—15 51 7,59	,587	, 325	— ,07
9845	Cygni r 6	2	6 49,27	2,406	, 004	+,013	4	+35 57 20,25	,600	, 233	— ,02
9846	Aquarii 8	2	6 57,06	3,230	, 011	—,001	2	— 9 48 7,06	,607	, 314	— ,11
9847	—— 8	2	7 2,64	3,234	, 011	+,001	2	—10 4 21,84	,613	, 315	— ,01
9848	Capricorni 7	1	7 17,88	3,420	, 015	—,012	2	—20 51 16,65	,628	, 335	— ,15
9849	54 Aquarii 7	3	7 26,20	3,230	, 010	+,011	4	— 9 53 49,24	,636	, 315	— ,06
9850	Picis Aust 7	2	7 29,83	3,630	, 024	+,015	2	—31 25 45,74	,640	, 358	+ ,03
9851	8 Equulei α 4.5	7	7 34,39	2,998	, 005	+,008	6	+ 4 34 11,52	,644	, 294	— ,15
9852	Cephei 6.7	1	7 35,84	1,532	, 011	+,007	—	+59 18 ——	,646	, 144	——
9853	Aquarii 7	2	7 38,11	3,229	, 010	+,014	3	— 9 50 27,94	,648	, 315	— ,12
9854	4 Piscis Aust 5	5	7 55,25	3,660	, 026	+,025	4	—32 51 23,75	,665	, 358	— ,20
9855	Cygni 7	1	7 59,27	2,293	, 005	+,018	3	+40 27 54,12	,669	, 222	+ ,02

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9856	Equulei 7	2	21 8 2,23	+2,910	—,00003	+,014	3	+10 0 12,28	14,672	+,00283	—0,05
9857	Indi θ 5.6	3	8 3,69	4,332	, 065	——	3	—54 8 4,34	,674	, 427	——
9858	Equulei 8	2	8 8,19	2,906	, 003	+,002	3	+10 14 51,81	,678	, 282	— ,02
9859	65 Cygni τ 5	5	8 12,50	2,376	, 002	+,027	4	+37 20 40,89	,682	, 227	+ ,39
9860	Microscopii i 7	4	8 14,37	4,073	, 007	——	4	—47 44 25,40	,684	, 399	——
9861	Equulei 7.8	2	8 31,71	2,998	, 005	—,002	4	+ 4 34 5,65	,702	, 291	— ,07
9862	Cephei 7.8	2	8 35,18	1,532	, 008	+,018	1	+59 25 7,12	,705	, 144	— ,03
9863	—— w 6	5	8 39,66	—1,015	, 167	+,079	5	+77 27 20,55	,709	—,00100	+ ,08
9864	30 Capricorni r 6	5	8 41,60	+3,378	, 015	—,001	6	—18 40 16,51	,711	+,00327	— ,05
9865	31 —— 6.7	5	9 1,12	3,368	, 014	—,003	4	—18 8 57,77	,730	, 326	— ,04
9866	127 Vulpeculæ 7	1	9 1,96	2,635	, 001	+,014	3	+25 39 54,33	,731	, 253	— ,15
9867	118 Capricorni 6.7	2	9 4,27	3,420	, 016	+,005	4	—21 1 18,44	,733	, 332	— ,06
9868	Piscis Aust. 7	1	9 8,58	3,583	, 022	+,009	2	—29 27 3,26	,737	, 349	— ,01
9869	Cygni 7	4	9 10,51	2,273	, 003	+,006	5	+41 20 12,85	,739	, 216	+ ,16
9870	Pegasi 8.9	1	9 26,41	2,772	, 000	+,002	1	+18 16 35,81	,755	, 267	+ ,04
9871	Aquarii 7.8	1	9 30,15	3,279	, 012	+,016	2	—12 57 8,71	,758	, 315	— ,03
9872	—— s¹ 7	2	9 31,23	3,153	, 009	+,003	4	— 5 12 30,05	,759	, 303	— ,14
9873	—— 7	6	10 4,72	3,345	, 013	+,009	5	—16 52 5,46	,793	, 322	— ,06
9874	Piscis Aust. 7.8	2	10 8,81	3,549	, 021	+,014	2	—27 53 56,67	,797	, 344	— ,02
9875	Microscopii θ 7	3	10 10,93	3,870	, 034	+,018	3	—41 30 5,19	,799	, 376	— ,06
9876	Pegasi 7.8	2	10 15,19	2,796	, 000	+,020	3	+16 56 22,23	,803	, 269	— ,08
9877	Equulei 7	5	10 30,86	2,940	, 004	+,038	4	+ 8 16 18,63	,818	, 284	— ,14
9878	Pegasi 7.8	1	10 42,88	2,795	, 001	—,006	2	+17 1 52,09	,830	, 269	— ,06
9879	—— 8	1	10 51,56	2,791	, 001	+,012	2	+17 17 58,27	,839	, 269	— ,05
9880	26 Equulei 6.7	3	10 52,61	2,904	, 003	+,005	4	+10 30 44,43	,840	, 280	— ,05
9881	67 Cygni σ 4.5	7	10 56,39	2,351	, 003	+,023	6	+38 42 22,43	,844	, 224	+ ,06
9882	Aquarii 7.8	1	10 58,81	3,168	, 008	+,007	2	— 6 10 41,86	,846	, 303	— ,14
9883	66 Cygni υ 4.5	3	11 8,08	2,461	, 002	+,015	5	+34 12 27,89	,855	, 235	— ,03
9884	Cephei 7	3	11 25,46	1,226	, 017	+,010	3	+64 3 54,17	,872	, 110	,00
9885	Pegasi 7	2	11 30,27	2,795	, 001	+,005	2	+17 8 2,27	,877	, 268	— ,06
9886	121 Capricorni 7	2	11 40,06	3,424	, 016	+,015	3	—21 30 44,11	,886	, 328	— ,07
9887	Cygni 7.8	2	11 56,36	2,574	, 002	+,010	2	+29 3 5,30	,902	, 244	— ,03
9888	Cephei 7	3	11 56,94	0,697	, 035	+,019	3	+69 20 33,97	,903	, 060	— ,04
9889	Piscis Aust. 7.8	2	12 0,93	3,585	, 023	+,021	3	—29 51 37,77	,907	, 345	— ,03
9890	Aquarii 8	2	12 7,15	3,104	, 006	+,018	2	— 2 8 59,78	,913	, 295	— ,13
9891	Cephei 7.8	2	12 18,37	1,790	, 008	+,010	2	+55 6 24,55	,924	, 166	— ,06
9892	16 Aquarii s² 6	7	12 25,27	3,153	, 007	—,017	3	— 5 15 22,08	,931	, 299	— ,10
9893	—— 7.8	2	12 32,64	3,250	, 011	+,015	3	—12 9 5,84	,938	, 308	— ,07
9894	Indi 8	3	12 33,86	4,496	, 075	——	3	—57 57 18,20	,939	, 433	——
9895	Pavonis γ 3	5	12 43,01	5,083	, 121	——	5	—66 6 20,50	,948	, 494	——
9896	9 Equulei η 6	5	12 54,99	2,967	, 004	+,010	5	+ 6 39 32,72	,959	, 282	— ,13
9897	32 Capricorni ι 5	6	13 3,11	3,352	, 013	+,005	5	—17 31 55,84	,967	, 318	— ,06
9898	Aquarii 7	4	13 7,08	3,228	, 011	——	5	—10 1 25,40	,971	, 303	——
9899	Microscopii σ 7.8	3	13 20,67	4,035	, 047	——	3	—47 18 54,33	,984	, 386	——
9900	Capricorni 6	4	13 32,48	3,455	, 017	+,016	3	—23 22 7,64	,995	, 329	— ,09

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9901	Equulei 7.8	3	21 13 44,57	+3,014	—,00005	+,009	1	+ 3 38 51,51	15,007	+,00286	—0,01
9902	Microscopii θ 6	3	13 52,19	3,861	, 035	+,010	4	—41 42 31,12	,014	, 368	— ,16
9903	Pegasi 7	2	13 55,59	2,710	, 000	+,016	3	+22 11 29,70	,018	, 254	— ,03
9904	Equulei 7.8	3	13 56,06	3,012	, 005	+,022	4	+ 3 47 22,99	,018	, 285	— ,09
9905	17 Aquarii y^1 6	5	14 5,24	3,227	, 011	—,005	3	—10 1 4,96	,027	, 303	— ,10
9906	Aquarii 8	6	14 12,90	3,137	, 008	+,024	6	— 4 14 43,80	,034	, 296	— ,18
9907	Capricorni 7	5	14 20,13	3,501	, 020	+,006	3	—25 54 10,48	,041	, 332	— ,10
9908	Indi γ 5	6	14 25,88	4,351	, 064	——	8	—55 22 0,50	,047	, 418	——
9909	1 Pegasi e 4	5	14 27,47	2,765	, 000	+,017	5	+19 6 6,74	,048	, 260	— ,03
9910	——— 8.9	2	14 33,03	2,694	, 000	—,010	1	+23 7 32,06	,054	, 251	— ,10
9911	5 Cephei α 3	17	14 37,91	1,418	, 007	+,030	21	+61 53 17,26	,059	, 126	+ ,08
9912	Capricorni 7.8	2	14 38,87	3,507	, 020	+,004	2	—26 15 44,83	,060	, 429	— ,02
9913	123 ——— 6.7	3	14 40,80	3,454	, 019	+,006	4	—23 26 56,20	,062	, 325	— ,03
9914	10 Equulei β 5.6	5	14 42,21	2,976	, 005	+,012	5	+ 6 6 35,63	,063	, 280	— ,08
9915	33 Capricorni 6	3	14 47,63	3,419	, 017	+,002	5	—21 32 53,93	,068	, 320	— ,14
9916	Capricorni 7	7	14 47,81	3,485	, 020	+,028	7	—25 7 25,82	,068	, 328	— ,08
9917	——— 8.9	2	14 53,55	3,464	, 019	+,010	3	—23 59 35,97	,074	, 326	— ,08
9918	18 Aquarii A 6	5	15 10,32	3,284	, 013	+,017	5	—13 34 53,68	,090	, 309	— ,08
9919	Microscopii 7.8	3	15 42,07	4,005	, 045	——	3	—46 46 9,05	,121	, 380	——
9920	Aquarii 9	3	15 43,74	3,265	, 012	+,015	3	—12 28 57,92	,123	, 306	+ ,04
9921	6 Cephei 5	7	15 56,26	1,258	, 014	+,015	5	+64 10 27,11	,134	, 111	+ ,06
9922	Piscis Aust. λ 6.7	3	16 3,17	3,769	, 032	——	3	—38 32 9,66	,141	, 294	——
9923	Capricorni 8	2	16 13,41	3,497	, 020	+,020	2	—25 56 39,43	,151	, 329	+ ,01
9924	66 Aquarii 6.7	3	16 15,67	3,134	, 008	+,003	4	— 4 6 5,33	,153	, 293	— ,16
9925	19 ——— y^2 6	3	16 20,69	3,232	, 011	+,006	6	—10 26 47,43	,158	, 303	— ,23
9926	Cygni 7.8	3	16 23,24	2,330	, 001	+,033	4	+40 13 50,76	,160	, 216	,00
9927	Microscopii k 5.6	3	16 25,12	3,895	, 037	+,018	4	—43 15 24,30	,162	, 366	— ,08
9928	Pegasi 6	1	16 32,85	2,690	, 000	+,010	5	+23 34 8,11	,169	, 247	— ,01
9929	Aquarii 7.8	2	16 34,06	3,112	, 007	+,009	3	— 2 41 39,36	,170	, 288	— ,10
9930	Capricorni 8	2	16 35,93	3,482	, 020	+,013	2	—25 11 25,57	,172	, 324	— ,04
9931	Indi 7.8	2	16 39,83	4,232	, 059	——	2	—53 0 44,05	,176	, 405	——
9932	21 Aquarii 6	5	16 40,58	3,136	, 008	+,003	5	— 4 15 35,27	,177	, 290	— ,16
9933	Capricorni 7.8	3	16 59,84	3,418	, 018	+,010	4	—21 42 25,77	,195	, 319	— ,11
9934	34 ——— ζ 4	6	17 14,20	3,443	, 019	+,012	6	—23 7 17,06	,209	, 320	— ,08
9935	Pegasi 6	4	17 14,65	2,656	, 000	—,002	5	+25 28 4,44	,209	, 246	— ,08
9936	Cephei 9	2	17 19,18	1,748	, 005	+,018	2	+56 37 52,64	,214	, 156	+ ,02
9937	Indi 6.7	3	17 19,99	4,289	, 059	——	3	—54 25 0,42	,215	, 404	——
9938	Cephei 7	3	17 22,63	—0,507	, 127	+,061	5	+76 18 58,76	,217	—,00050	— ,04
9939	Aquarii 7.8	3	17 27,03	+ 3,269	, 013	+,009	4	—12 47 39,95	,221	+,00303	— ,24
9940	Piscis Aust. 8	2	17 51,23	3,541	, 022	+,025	3	—28 26 10,35	,243	, 329	— ,10
9941	35 Capricorni 6	5	17 53,06	3,420	, 020	+,012	5	—21 54 18,46	,245	, 317	— ,08
9942	Cephei 7	3	18 7,59	1,317	, 013	+,016	3	+63 39 35,72	,259	, 115	+ ,01
9943	Capricorni 7.8	2	18 10,48	3,403	, 017	+,008	2	—20 55 11,61	,262	, 315	— ,08
9944	Aquarii 8	2	18 21,64	3,292	, 013	+,015	3	—14 17 54,92	,273	, 303	— ,07
9945	——— 7	2	18 41,92	3,261	, 012	+,013	4	—12 22 31,86	,292	, 300	— ,09

No.	Star's name and mag.		No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
				h. m. s.	s	s	s		° ′ ″	″ +	″	″
9946	Indi	8	3	21 18 47,18	+4,976	—,00083	——	3	—60 7 22,36	15,296	+,00428	——
9947	Capricorni	8.9	3	18 48,40	3,428	—, 018	+,011	5	—22 25 36,44	,297	, 316	—0,36
9948	Cephei	7	3	18 53,58	1,336	—, 013	+,009	3	+63 31 10,03	,302	, 117	+ ,12
9949	Indi	7	1	18 58,76	4,432	—, 076	——	1	—57 36 11,46	,307	, 415	——
9950	Aquarii	8.9	6	18 59,26	3,293	—, 013	+,023	6	—14 24 29,52	,308	, 303	— ,12
9951	339 Cygni	6.7	3	19 2,83	2,445	—, 001	+,012	3	+35 57 28,11	,312	, 211	— ,05
9952	Cephei	7	3	19 6,16	1,729	—, 005	+,006	3	+57 14 1,31	,315	, 154	+ ,01
9953	Aquarii	7	2	19 7,77	3,264	—, 013	—,005	3	—12 38 27,21	,316	, 300	— ,13
9954	——	9.10	1	19 10,78	3,267	—, 013	+,013	1	—12 48 2,62	,319	, 301	+ ,04
9955	Piscis Aust. *c*	7	3	19 11,36	3,609	—, 025	+,004	4	—31 57 8,09	,320	, 334	— ,08
9956	Cygni	7	2	19 15,98	2,178	—, 002	+,016	3	+46 0 7,29	,324	, 198	— ,08
9957	72 Aquarii	7.8	3	19 17,53	3,259	—, 012	—,003	4	—12 16 45,69	,326	, 300	— ,07
9958	36 Capricorni *b*	5.6	9	19 18,41	3,428	—, 018	—,002	5	—22 31 15,29	,327	, 316	— ,11
9959	Aquarii	8	5	19 20,55	3,118	—, 008	+,031	5	— 3 8 25,74	,328	, 286	— ,06
9960	Cephei	8	3	19 44,51	1,636	—, 005	+,035	2	+59 3 2,00	,351	, 145	— ,06
9961	Aquarii	7.8	4	19 44,87	3,121	—, 008	—,027	6	— 3 19 24,52	,351	, 285	— ,12
9962	——	7	2	19 46,54	3,125	—, 007	+,006	3	— 3 35 54,83	,353	, 285	— ,02
9963	Vulpeculæ *z*	6	3	20 24,38	2,636	+, 001	+,021	5	+26 53 35,06	,387	, 238	— ,10
9964	Aquarii	8.9	4	20 31,45	3,266	—, 013	+,011	3	—12 47 42,71	,394	, 300	— ,18
9965	Indi	8	3	20 35,13	4,581	—, 084	——	3	—60 25 12,37	,398	, 429	——
9966	Aquarii	8.9	3	20 37,81	3,296	—, 013	+,021	2	—14 44 26,72	,400	, 301	— ,09
9967	343 Cygni	6	3	20 38,05	2,439	+, 001	+,012	4	+36 24 8,99	,400	, 220	— ,09
9968	Capricorni	7	5	20 43,48	3,380	—, 016	+,007	5	—19 51 48,19	,405	, 309	— ,07
9969	——	8	7	20 53,29	3,473	—, 020	+,027	7	—25 8 42,21	,414	, 316	— ,08
9970	——	7	5	20 53,53	3,487	—, 020	+,011	5	—25 54 37,74	,414	, 368	— ,04
9971	Vulpeculæ	8	2	20 53,67	2,637	+, 001	+,009	2	+26 51 54,95	,414	, 238	+ ,16
9972	Cygni	6.7	2	21 5,57	2,547	+, 001	+,018	2	+31 30 22,72	,426	, 229	+ ,01
9973	——	6.7	4	21 18,93	1,971	—, 003	+,037	4	+52 11 1,40	,439	, 175	— ,05
9974	——	7.8	2	21 27,13	2,197	—, 001	+,007	1	+45 42 1,82	,447	, 197	— ,06
9975	45 Microscopii	5	3	21 37,40	3,836	—, 036	—,018	4	—41 54 4,91	,456	, 353	— ,07
9976	Aquarii	7	6	21 37,69	3,300	—, 013	+,008	5	—15 5 33,29	,456	, 301	— ,09
9977	Cygni	7	3	21 51,58	2,194	—, 001	+,022	2	+45 50 42,83	,469	, 196	,00
9978	129 Capricorni	7.8	2	22 9,12	3,379	—, 016	+,006	4	—19 57 27,61	,486	, 308	+ ,03
9979	Piscis Aust. *e*	7	3	22 14,83	3,658	—, 028	—,005	4	—34 39 59,87	,491	, 336	— ,07
9980	2 Pegasi *f*	5.6	7	22 28,68	2,712	+, 001	+,004	5	+22 55 8,78	,504	, 245	— ,06
9981	22 Aquarii *β*	3	24	22 52,17	3,164	—, 009	+,009	13	— 6 17 34,35	,525	, 285	— ,08
9982	108 Cephei	6.7	3	22 52,20	1,660	—, 005	+,016	6	+59 2 2,09	,525	, 145	+ ,03
9983	Equulei	8.9	3	22 54,82	2,999	—, 005	+,008	3	+ 4 51 28,74	,528	, 270	— ,05
9984	Capricorni	6	7	23 2,30	3,471	—, 020	+,018	5	—25 18 50,08	,535	, 315	— ,04
9985	Cephei	7.8	4	23 11,75	0,778	—, 033	+,039	3	+69 45 38,92	,544	, 063	+ ,03
9986	71 Cygni *g*	5	5	23 21,92	2,202	—, 001	+,020	6	+45 48 56,86	,553	, 195	+ ,11
9987	Cephei	8	1	23 41,61	1,880	—, 004	+,024	1	+54 41 55,37	,571	, 164	+ ,06
9988	Aquarii	8	4	23 47,51	3,175	—, 009	+,009	4	— 7 1 55,29	,576	, 283	— ,01
9989	Piscis Aust.	8.9	5	23 49,13	3,531	—, 022	+,034	4	—28 36 46,26	,578	, 319	— ,13
9990	Capricorni	8	3	23 53,37	3,401	—, 017	+,040	5	—21 24 7,25	,582	, 306	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
9991	Pegasi 7	2	21 24 22,07	+2,713	+,00001	+,007	2	+23 7 14,05	15,608	+,00239	+0,07
9992	Cephei 8	3	24 25,34	1,190	—, 017	+,037	3	+65 56 21,09	,610	„ 100	+ ,07
9993	Piscis Aust. 8.9	5	24 28,86	3,529	—, 022	+,012	4	—28 37 30,01	,614	„ 316	— ,12
9994	131 Capricorni 6.7	2	24 33,12	3,326	—, 015	+,015	4	—16 55 23,63	,619	„ 295	— ,21
9995	111 Cephei 6	3	24 34,22	1,178	—, 017	+,019	4	+66 5 25,84	,620	„ 100	,00
9996	Capricorni 8.9	2	24 34,27	3,283	—, 013	+,020	3	—14 10 35,97	,620	„ 289	— ,09
9997	Aquarii 8.9	3	24 56,99	3,175	—, 010	+,023	2	— 7 5 57,43	,640	„ 279	— ,08
9998	Pegasi 7.8	2	24 57,02	2,721	+, 001	—,004	2	+22 40 7,14	,640	„ 241	— ,04
9999	Aquarii 8.9	5	25 5,81	3,161	—, 009	+,014	4	— 6 8 37,42	,648	„ 278	— ,48
10,000	Capricorni 6.7	7	25 16,37	3,283	—, 013	+,016	3	—14 12 43,94	,658	„ 288	— ,01
10,001	Indi 8	3	25 21,30	4,124	—, 054	——	3	—51 34 3,17	,663	„ 371	——
10,002	—— 7.8	3	25 23,32	4,145	—, 055	——	3	—52 7 53,83	,665	„ 374	——
10,003	Aquarii 8.9	2	25 28,04	3,078	—, 006	—,001	2	— 0 30 14,25	,669	„ 271	+ ,09
10,004	Capricorni 8	1	25 34,50	3,394	—, 017	+,017	3	—21 10 24,92	,675	„ 301	— ,02
10,005	37 —— t^1 7	6	25 34,61	3,388	—, 017	+,003	5	—20 48 53,37	,675	„ 301	,00
10,006	38 Capricorni t^2 7	5	25 37,62	3,391	—, 017	+,009	5	—20 58 44,85	,678	„ 301	— ,09
10,007	—— 7	5	25 49,13	3,445	—, 019	+,012	5	—24 11 2,18	,688	„ 305	— ,02
10,008	—— 8	2	25 53,95	3,215	—, 011	+,012	2	— 9 48 56,62	,693	„ 281	— ,12
10,009	—— 8	1	26 4,64	3,373	—, 016	+,006	2	—19 58 27,57	,702	„ 298	— ,03
10,010	Cygni 7	2	26 13,79	2,333	, 000	+,007	1	+41 34 14,30	,710	„ 204	— ,08
10,011	Cephei 7.8	3	26 16,44	1,704	—, 004	+,025	4	+58 41 27,32	,711	„ 150	+ ,09
10,012	8 —— β 3	3	26 30,02	0,810	—, 034	+,016	16	+69 50 14,43	,725	„ 066	+ ,05
10,013	8 Piscis Aust. 5.6	4	26 36,26	3,492	—, 021	+,019	5	—26 54 9,56	,731	„ 309	— ,08
10,014	Aquarii B 6.7	3	26 40,79	3,139	—, 009	+,016	4	— 4 42 52,45	,735	„ 274	— ,06
10,015	Piscis Aust. *f* 7	3	26 53,15	3,625	—, 027	+,007	4	—33 46 53,08	,746	„ 320	— ,07
10,016	Pegasi 7.8	4	26 53,31	2,428	+, 001	+,011	1	+37 47 59,24	,746	„ 209	+ ,05
10,017	Aquarii 7.8	1	26 58,90	3,067	—, 006	+,008	1	+ 0 14 50,83	,751	„ 265	— ,11
10,018	31 Pegasi 7	2	27 2,06	2,735	+, 001	+,015	3	+22 1 33,93	,754	„ 239	— ,09
10,019	Capricorni 7.8	4	27 10,39	3,358	—, 015	+,011	2	—19 7 31,16	,761	„ 295	— ,07
10,020	Cephei 8.9	1	27 39,16	1,706	—, 004	+,015	2	+58 50 34,57	,787	„ 143	— ,05
10,021	73 Cygni ρ 5	6	27 46,79	2,251	—, 001	+,004	7	+44 51 51,67	,794	„ 193	— ,14
10,022	39 Capricorni ε 5	9	27 50,06	3,374	—, 016	+,007	5	—20 12 4,57	,797	„ 295	— ,09
10,023	Pegasi 7	1	27 59,29	2,709	+, 001	+,009	2	+23 43 9,41	,805	„ 234	— ,06
10,024	362 Cygni 5	1	28 2,37	2,433	+, 001	+,022	6	+37 47 49,47	,808	„ 209	,00
10,025	Capricorni 7	3	28 8,62	3,357	—, 016	—,001	3	—19 10 18,70	,814	„ 293	— ,11
10,026	Indi 6.7	9	28 9,87	4,396	—, 078	——	9	—58 10 42,32	,815	„ 393	——
10,027	Capricorni 7.8	4	28 24,01	3,369	—, 016	+,022	5	—19 58 1,73	,827	„ 294	— ,05
10,028	Indi 7.8	3	28 26,85	4,134	—, 055	——	3	—52 18 38,92	,829	„ 367	——
10,029	Cygni 8	1	28 37,33	2,592	+, 001	+,023	3	+30 16 30,04	,840	„ 222	— ,06
10,030	Pegasi 8	6	28 39,91	2,998	—, 005	+,002	4	+ 5 5 3,12	,842	„ 260	— ,21
10,031	Piscis Aust. 8	5	28 40,02	3,474	—, 020	+,021	5	—26 10 55,95	,843	„ 301	— ,01
10,032	Indi 7	3	28 40,67	4,163	—, 055	——	3	—53 5 53,65	,843	„ 368	——
10,033	Capricorni 7.8	2	28 42,07	3,321	—, 015	+,014	2	—16 59 22,18	,845	„ 287	— ,07
10,034	Indi 8	3	28 43,61	4,092	—, 053	——	3	—51 13 43,22	,846	„ 369	——
10,035	—— 6.7	3	28 51,97	4,308	—, 068	——	3	—56 28 42,61	,853	„ 382	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,036	Piscis Aust 8.9	2	21 28 53,98	+3,518	—,00022	+,017	2	—28 37 53,08	15,855	+,00306	—0,08
10,037	23 Aquarii ξ 5	11	28 57,78	3,195	—, 010	+,008	5	— 8 35 22,92	,858	, 273	— ,07
10,038	Pegasi 8	1	28 59,93	2,998	—, 005	+,008	4	+ 5 6 59,20	,860	, 259	— ,04
10,039	363 Cygni 7	3	29 3,32	2,611	+, 001	+,006	3	+29 19 2,95	,863	, 223	+ ,03
10,040	136 Capricorni 7	2	29 10,92	3,300	—, 014	+,012	3	—15 38 56,04	,869	, 280	,00
10,041	Pegasi 7	1	29 12,24	3,015	—, 005	+,009	4	+ 3 56 44,55	,870	, 259	—,02
10,042	Capricorni 7.8	2	29 25,79	3,330	—, 015	+,001	3	—17 36 1,41	,882	, 288	—,10
10,043	3 Pegasi p 8	3	29 30,18	2,987	—, 004	+,019	3	+ 5 53 27,76	,886	, 259	—,12
10,044	3 ——— s 6	5	29 30,53	2,987	—, 004	+,021	5	+ 5 52 51,43	,887	, 259	—,12
10,045	Cephei 8	2	29 33,91	1,595	—, 004	+,018	2	+61 3 57,53	,891	, 132	— ,08
10,046	5 Pegasi 5.6	6	30 2,41	2,796	—, 000	+,025	5	+18 34 48,43	,915	, 240	— ,01
10,047	Capricorni 8.9	2	30 15,07	3,286	—, 013	+,015	3	—14 47 53,33	,926	, 280	— ,07
10,048	4 Pegasi T¹ 5	6	30 16,14	2,999	—, 001	+,013	9	+ 5 1 52,15	,927	, 257	— ,03
10,049	366 Cygni 6	4	30 20,53	2,397	+, 003	+,026	4	+39 40 30,09	,930	, 202	— ,08
10,050	Indi 8.9	3	30 25,21	4,389	—, 077	——	3	—58 21 28,45	,935	, 383	——
10,051	Cephei 7.8	2	30 29,28	1,329	—, 013	+,017	3	+65 0 18,99	,938	, 109	+,05
10,052	40 Capricorni γ 4	10	30 56,65	3,325	—, 015	+,027	5	—17 24 11,14	,963	, 282	+,05
10,053	Aquarii υ 6.7	4	31 1,30	3,082	—, 006	+,027	5	— 0 47 38,43	,967	, 262	+,13
10,054	Cygni 7.8	2	31 7,15	2,426	+, 003	+,017	3	+38 34 37,38	,972	, 204	+,15
10,055	25 Aquarii d 5.6	5	31 11,00	3,050	—, 005	+,001	6	+ 1 30 20,82	,975	, 260	+,11
10,056	Indi 7.8	2	31 17,67	4,063	—, 054	——	2	—50 50 21,04	,981	, 348	——
10,057	Pegasi 8	2	31 22,56	3,051	—, 005	+,011	3	+ 1 23 50,37	,985	, 260	— ,10
10,058	Capricorni 7.8	2	31 22,70	3,359	—, 016	+,004	3	—19 38 18,30	,986	, 288	+,09
10,059	Cephei 7.8	3	31 31,92	1,352	—, 013	+,041	4	+64 51 0,65	,995	, 111	+,05
10,060	Indi 6.7	4	31 55,40	4,365	—, 077	——	3	—58 6 51,94	16,015	, 377	——
10,061	Capricorni 7.8	2	32 9,75	3,407	—, 018	—,010	3	—22 40 23,72	,028	, 291	— ,04
10,062	Indi 7	4	32 12,50	4,361	—, 077	——	4	—58 4 15,08	,029	, 377	——
10,063	Capricorni 8	4	32 13,72	3,402	—, 018	+,039	5	—22 24 26,86	,031	, 289	— ,06
10,064	Indi 7	3	32 14,02	4,359	—, 077	——	3	—58 1 44,93	,031	, 377	——
10,065	——— 7.8	5	32 25,90	4,228	—, 064	——	5	—55 14 51,05	,042	, 365	——
10,066	Capricorni 8	3	32 25,99	3,295	—, 014	+,008	4	—15 35 16,76	,042	, 277	— ,07
10,067	Indi 8.9	2	32 28,59	4,252	—, 066	——	2	—55 48 10,64	,043	, 365	——
10,068	Gruis 6.7	2	32 29,22	3,853	—, 040	——	2	—44 14 20,33	,044	, 327	——
10,069	139 Capricorni 7	3	32 31,64	3,372	—, 016	+,007	4	—20 33 5,81	,048	, 286	+ ,01
10,070	42 ——— d¹ 6	6	32 34,13	3,283	—, 014	—,006	5	—14 46 46,06	,050	, 275	— ,37
10,071	41 Capricorni 5	5	32 36,38	3,428	—, 019	+,009	5	—24 0 18,57	,051	, 290	— ,19
10,072	Aquarii 8	3	32 41,96	3,070	—, 006	+,010	3	+ 0 33 39,54	,056	, 259	— ,16
10,073	Indi 7.8	4	32 42,39	4,269	—, 066	——	4	—56 13 17,84	,056	, 365	——
10,074	127 Cephei 7	3	32 46,91	1,592	—, 007	+,026	4	+61 33 29,38	,061	, 132	— ,01
10,075	43 Capricorni κ 5	10	33 26,17	3,355	—, 016	+,019	6	—19 36 49,32	,094	, 284	— ,03
10,076	Aquarii 8.9	2	33 28,90	3,077	—, 006	+,014	4	— 0 24 3,44	,098	, 259	— ,10
10,077	9 Cephei 5	12	33 29,25	1,611	—, 005	—,008	7	+61 20 21,38	,098	, 125	— ,01
10,078	Capricorni 9	3	33 41,94	3,200	—, 011	—,002	2	— 9 12 45,03	,109	, 265	— ,02
10,079	373 Cygni 6.7	2	33 42,84	2,340	+, 003	—,002	4	+42 31 38,95	,110	, 195	— ,03
10,080	26 Aquarii 6	5	33 45,24	3,064	—, 005	+,006	4	+ 0 32 16,08	,112	, 256	— ,10

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ +	″	″
10,081	130 Cephei 6	1	21 33 50,54	+1,857	—,00001	+,003	3	+56 44 39,74	16,116	+,00149	—0,06
10,082	Capricorni 6	4	33 59,31	3,366	—, 016	+,021	5	—20 22 11,46	,124	, 281	— ,07
10,083	7 Pegasi T² 5.6	8	34 0,52	3,002	—, 004	+,021	8	+ 4 55 56,28	,125	, 250	— ,09
10,084	44 Capricorni d² 6	8	34 3,90	3,286	—, 014	+,010	8	—15 8 59,87	,129	, 272	— ,06
10,085	46 Pegasi 6.7	2	34 29,63	2,930	—, 002	+,013	4	+10 4 31,17	,151	, 246	— ,09
10,086	374 Cygni 6.7	2	34 56,42	2,406	+, 005	+,019	4	+40 3 33,11	,173	, 198	— ,08
10,087	45 Capricorni d³ 6	4	35 0,07	3,290	—, 014	+,006	5	—15 30 6,19	,177	, 273	— ,15
10,088	Cygni 6.7	2	35 3,92	2,522	+, 003	+,017	4	+34 45 38,43	,181	, 206	— ,04
10,089	9 Piscis Aust ι 4.5	6	35 6,18	3,599	—, 028	+,012	5	—33 46 28,86	,182	, 302	— ,21
10,090	Cephei 7.8	2	35 14,46	1,863	, 000	+,002	2	+56 50 4,36	,189	, 148	— ,04
10,091	Gruis 7	4	35 29,41	3,952	—, 047	——	4	—48 9 28,02	,202	, 332	——
10,092	Pegasi 8	3	35 43,69	2,927	—, 002	+,003	4	+10 20 59,26	,214	, 245	— ,10
10,093	377 Cygni 5.6	5	35 45,14	2,403	+, 005	+,016	4	+40 19 34,97	,215	, 198	— ,07
10,094	Aquarii 7.8	2	35 45,89	3,147	—, 008	+,007	3	— 5 28 59,28	,216	, 258	+ ,05
10,095	Cygni 8	9	35 55,22	2,404	+, 005	+,008	5	+40 17 47,84	,223	, 198	— ,01
10,096	8 Pegasi ε 2.3	6	36 4,99	2,945	—, 002	+,010	10	+ 9 7 19,21	,232	, 247	— ,07
10,097	Aquarii 7.8	5	36 7,07	3,206	—, 011	+,017	6	— 9 47 27,83	,234	, 262	— ,07
10,098	46 Capricorni c¹ 6	6	36 12,40	3,207	—, 011	+,022	7	— 9 50 9,68	,238	, 262	— ,08
10,099	80 Cygni π¹ 4.5	9	36 14,56	2,121	+, 003	+,009	6	+50 26 20,07	,240	, 174	— ,02
10,100	Pegasi 7	3	36 23,42	2,753	+, 002	+,013	5	+22 3 51,37	,248	, 228	— ,08
10,101	Cygni 6.7	2	36 28,50	2,404	+, 006	—,004	3	+40 24 11,78	,252	, 190	— ,04
10,102	9 Pegasi g 4.5	5	36 42,10	2,838	+, 001	+,007	7	+16 35 49,20	,263	, 235	— ,01
10,103	78 Cygni μ 5	6	36 46,03	2,655	+, 003	+,028	4	+28 0 1,22	,267	, 216	— ,27
10,104	—— 8	2	37 0,44	2,655	+, 003	+,010	3	+28 1 46,12	,279	, 216	— ,15
10,105	10 Pegasi κ 4	5	37 10,59	2,709	+, 002	+,002	6	+24 53 24,61	,286	, 222	— ,03
10,106	Cephei 7.8	4	37 14,65	1,871	+, 001	+,035	6	+56 59 1,46	,292	, 148	— ,05
10,107	Indi 6.7	3	37 19,03	4,273	—, 074	——	3	—57 2 0,24	,296	, 357	——
10,108	47 Capricorni c² 6.7	4	37 27,95	3,209	—, 011	+,008	5	—10 1 59,63	,303	, 261	— ,07
10,109	Gruis 6	3	37 30,27	3,937	—, 047	——	4	—48 3 0,14	,305	, 328	——
10,110	Pegasi 7.8	4	37 33,53	2,754	+, 002	—,014	6	+22 8 22,22	,307	, 226	— ,20
10,111	Pegasi 8	2	37 33,59	2,754	+, 002	—,013	1	+22 9 41,67	,307	, 226	— ,31
10,112	48 Capricorni λ 5.6	3	37 38,86	3,238	—, 012	+,017	8	—12 7 21,96	,312	, 263	— ,06
10,113	Aquarii 8	3	37 46,21	3,137	—, 008	+,023	4	— 4 53 1,08	,318	, 254	— ,06
10,114	149 Capricorni 6.7	3	37 47,41	3,243	—, 012	—,012	4	—12 26 56,94	,319	, 262	— ,14
10,115	Gruis 8	3	37 49,60	3,951	—, 047	——	3	—48 32 7,87	,321	, 330	——
10,116	49 Capricorni δ 3.4	17	37 55,58	3,306	—, 015	+,024	5	—16 52 19,49	,325	, 269	— ,37
10,117	10 Piscis Aust θ 5	5	38 2,24	3,549	—, 025	—,001	5	—31 39 27,17	,332	, 293	— ,07
10,118	Cygni 7	2	38 14,10	2,195	+, 003	+,012	4	+48 30 13,66	,342	, 177	— ,07
10,119	Cephei 5.6	2	38 27,48	1,831	+, 001	+,003	3	+58 1 31,60	,353	, 144	+ ,01
10,120	Pegasi 7	2	38 28,30	2,718	+, 002	+,013	5	+24 29 34,31	,354	, 222	— ,02
10,121	12 Pegasi W 6	4	38 29,21	2,755	+, 002	+,025	5	+22 11 28,63	,355	, 226	— ,09
10,122	—— 7.8	4	38 46,04	2,756	+, 002	+,005	2	+22 11 18,95	,369	, 226	— ,10
10,123	Capricorni 8	2	38 49,37	3,305	—, 015	—,013	4	—16 50 14,49	,372	, 267	— ,19
10,124	11 Pegasi 5.6	5	38 51,90	3,045	+, 005	+,015	5	+ 1 55 36,21	,374	, 247	— ,11
10,125	—— 7	2	38 53,41	2,714	+, 003	+,018	1	+24 48 9,53	,375	, 220	— ,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,126	Gruis 7.8	3	21 39 6,47	+3,908	—,00045	——	3	—47 22 20,37	16,386	+,00319	——
10,127	—— 7	3	39 18,46	3,941	—, 047	——	3	—48 29 17,58	,397	, 322	——
10,128	11 Cephei τ 4.5	7	39 28,54	0,892	—, 032	+,050	8	+70 33 9,37	,405	, 070	+0,14
10,129	—— 7.8	5	39 29,17	1,865	+, 001	+,020	5	+57 28 1,58	,406	, 140	—,06
10,130	—— 8	1	39 43,77	1,140	—, 022	+,007	3	+68 17 53,25	,417	, 081	—,15
10,131	Capricorni 9	3	39 47,40	3,406	—, 018	+,013	3	—23 34 53,84	,420	, 276	—,06
10,132	Aquarii 8.9	3	39 55,42	3,071	—, 006	+,013	3	— 0 33 33,07	,427	, 246	—,05
10,133	Pegasi 7	2	40 10,99	2,930	—, 002	+,020	3	+10 24 50,23	,440	, 235	—,11
10,134	Aquarii 7	4	40 23,06	3,154	—, 009	+,004	4	— 6 9 54,23	,451	, 250	—,09
10,135	Indi 7.8	3	40 32,74	4,180	—, 064	——	3	—55 25 1,09	,458	, 342	——
10,136	10 Cephei σ 4.5	4	40 41,18	1,729	, 000	+,014	5	+60 21 40,97	,464	, 130	+,04
10,137	81 Cygni π² 5	7	40 42,18	2,206	+, 003	+,006	10	+48 32 52,70	,465	, 171	—,07
10,138	Aquarii 7	6	40 45,67	3,254	—, 012	+,008	5	—13 29 16,68	,469	, 272	—,01
10,139	78 Draconis z 5	4	41 1,17	0,784	—, 037	—,003	5	+71 33 53,06	,482	, 053	+,01
10,140	145 Capricorni 6.7	3	41 7,96	3,313	—, 015	+,008	4	—17 36 37,36	,488	, 263	—,03
10,141	64 Pegasi 6.7	5	41 11,60	2,522	+, 004	+,008	7	+35 49 1,71	,491	, 197	—,02
10,142	—— 7.8	2	41 14,46	2,595	+, 003	+,012	2	+32 1 57,31	,493	, 203	—,01
10,143	Capricorni 7.8	3	41 20,95	3,303	—, 015	+,007	4	—16 57 22,72	,499	, 261	—,22
10,144	Pegasi 6.7	3	41 34,59	3,012	—, 004	+,010	4	+ 4 26 48,45	,509	, 238	—,10
10,145	Indi 8	3	41 38,96	3,987	—, 052	——	3	—50 21 19,16	,513	, 339	——
10,146	Capricorni 8	2	42 0,88	3,409	—, 019	+,019	4	—24 2 3,85	,532	, 270	—,11
10,147	13 Pegasi 6	5	42 17,82	2,847	+, 001	+,016	4	+16 31 18,93	,546	, 226	—,12
10,148	154 Capricorni 6.7	3	42 31,74	3,337	—, 015	+,023	4	—19 23 16,22	,557	, 261	—,12
10,149	14 Pegasi 5	6	42 32,85	2,646	+, 003	+,001	7	+29 24 29,84	,558	, 206	—,14
10,150	142 Cephei 6	3	42 33,42	1,767	, 000	+,016	4	+59 55 43,40	,558	, 134	,00
10,151	Cephei 8.9	2	43 8,40	1,909	+, 001	+,004	3	+57 5 17,26	,587	, 145	—,05
10,152	—— 8	2	43 9,52	1,904	+, 001	+,002	4	+57 11 40,93	,588	, 145	—,03
10,153	Capricorni 8	3	43 36,95	3,312	—, 015	+,021	4	—17 50 13,27	,610	, 258	—,06
10,154	Cygni 8	2	43 39,60	2,369	+, 007	+,022	4	+43 7 18,64	,612	, 183	—,07
10,155	71 Pegasi 7.8	3	43 46,86	2,935	—, 002	+,012	3	+10 19 12,79	,618	, 230	,00
10,156	Pegasi 7	3	43 49,49	2,812	+, 001	+,012	3	+19 3 21,42	,620	, 220	—,03
10,157	Gruis γ 4	4	43 55,03	3,658	—, 031	+,023	5	—38 8 12,99	,625	, 288	—,16
10,158	Pegasi 8.9	3	44 5,62	2,887	, 000	+,012	4	+13 49 57,41	,634	, 226	—,07
10,159	Aquarii 7	6	44 8,58	3,133	—, 008	—,002	6	— 4 45 51,16	,636	, 244	—,04
10,160	51 Capricorni μ 5	16	44 17,57	3,261	—, 013	+,036	5	—14 19 28,34	,643	, 252	—,07
10,161	Cephei 7.8	6	44 29,08	1,753	+, 002	+,021	6	+60 30 19,34	,653	, 130	—,05
10,162	Capricorni 8	2	44 35,06	3,347	—, 017	+,012	4	—20 47 10,80	,657	, 261	+,08
10,163	Indi π 7	3	44 35,94	4,295	—, 081	——	3	—58 40 33,16	,658	, 341	——
10,164	—— 7.8	3	45 0,82	4,065	—, 059	——	3	—53 14 17,65	,679	, 322	——
10,165	15 Pegasi 6	5	45 8,20	2,676	+, 004	+,010	5	+28 1 27,37	,685	, 206	—,10
10,166	Aquarii p 6.7	5	45 33,13	3,136	—, 008	+,004	5	— 5 2 48,51	,704	, 242	—,19
10,167	16 Pegasi B 5.6	5	45 33,68	2,723	+, 004	+,012	5	+25 9 6,95	,705	, 210	—,06
10,168	77 —— 7	3	45 43,60	2,992	—, 003	+,009	4	+ 6 5 18,52	,712	, 230	—,18
10,169	156 Capricorni 7	3	46 0,42	3,283	—, 014	+,006	4	—16 1 57,09	,726	, 251	—,10
10,170	Cephei 8	3	46 9,09	1,749	+, 002	+,017	3	+60 50 38,84	,734	, 128	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,171	Pegasi 7.8	1	21 46 20,09	+2,549	+,00005	+,015	4	+35 21 10,73	16,743	+,00194	—0,08
10,172	1 Gruis ν 6	3	46 25,96	3,647	—, 031	+,008	4	—38 1 53,01	,747	, 284	—, 05
10,173	Indi δ 5	8	46 38,28	4,151	—, 068	——	8	—55 46 16,96	,755	, 326	[illegible]
10,174	—— K² 6.7	3	46 47,11	4,332	—, 085	——	3	—59 47 36,25	,763	, 340	[illegible]
10,175	149 Cephei 7.8	3	46 51,18	2,051	+, 002	+,003	4	+54 15 56,12	,766	, 155	+ ,02
10,176	Gruis 7.8	3	47 3,06	3,653	—, 031	+,007	4	—38 26 14,16	,777	, 282	—, 01
10,177	2 —— 6.7	20	47 3,72	3,655	—, 031	+,030	16	—38 31 34,72	,778	, 282	—, 11
10,178	Aquarii 7.8	3	47 15,42	3,051	—, 004	+,008	3	+ 1 35 0,33	,786	, 233	—, 06
10,179	Gruis 8	8	47 19,97	3,654	—, 031	+,024	8	—38 32 15,42	,790	, 282	—, 12
10,180	Cephei 7	2	47 23,27	1,827	+, 002	+,023	3	+59 33 2,80	,793	, 135	+ ,06
10,181	Cephei 8	3	47 33,27	2,094	+, 004	+,015	5	+53 13 18,14	,800	, 158	—, 05
10,182	—— 7.8	3	47 34,00	2,011	+, 004	+,023	3	+55 26 10,14	,801	, 151	—, 09
10,183	157 Capricorni 7	3	47 40,56	3,318	—, 016	+,018	4	—18 40 35,49	,805	, 254	—, 06
10,184	—— 7.8	2	47 56,64	3,336	—, 016	+,007	4	—19 58 12,44	,819	, 256	—, 02
10,185	Pegasi 7.8	2	48 18,77	2,555	+, 007	+,004	4	+35 22 4,81	,837	, 192	—, 08
10,186	Pegasi 7.8	2	48 41,35	2,800	+, 002	+,009	3	+20 27 33,49	,853	, 212	—, 01
10,187	158 Capricorni 7	3	48 48,42	3,277	—, 014	+,014	4	—15 54 12,75	,859	, 247	—, 02
10,188	Pegasi 7.8	2	48 52,82	2,802	+, 002	+,004	3	+20 22 43,48	,863	, 212	—, 04
10,189	17 —— 5	7	48 53,86	2,926	—, 002	+,015	5	+11 17 45,72	,864	, 222	—, 14
10,190	Indi 6.7	8	49 5,99	4,170	—, 073	——	3	—56 40 3,28	,874	, 325	——
10,191	Cephei 7	4	49 8,09	2,107	+, 005	+,031	7	+53 9 7,28	,876	, 157	+ ,07
10,192	17 Gruis 6	3	49 19,36	3,659	—, 032	+,045	3	—39 10 45,39	,885	, 279	—, 12
10,193	Cephei 7.8	6	49 19,77	1,657	—, 002	+,032	6	+62 57 27,82	,885	, 118	—, 06
10,194	—— 7	3	49 20,76	2,008	+, 004	+,010	2	+55 49 53,46	,886	, 146	—, 08
10,195	105 Aquarii 7	3	49 30,39	3,243	—, 013	+,020	4	—13 27 3,34	,893	, 241	—, 01
10,196	Aquarii 6.7	6	49 31,08	3,362	—, 018	+,016	5	—21 57 58,59	,893	, 252	—, 02
10,197	—— C 6.7	5	49 34,43	3,149	—, 009	+,018	5	— 6 12 11,58	,896	, 234	—, 15
10,198	14 Piscis Aust 7	3	50 17,92	3,475	—, 022	—,008	4	—29 24 14,79	,931	, 261	—, 06
10,199	Indi 7	3	50 35,91	4,051	—, 060	——	3	—53 51 31,77	,943	, 311	——
10,200	—— 5.6	6	50 41,34	4,192	—, 073	+,4TB	5	—57 27 27,12	,947	, 319	—2,9TB
10,201	158 Cephei 6.7	5	50 48,49	0,745	—, 043	+,023	6	+72 55 18,54	,953	, 051	—, 06
10,202	Aquarii 8	3	50 58,82	3,159	—, 010	+,014	3	— 7 3 34,80	,962	, 234	—, 03
10,203	—— 8	6	51 15,77	3,305	—, 015	+,028	6	—18 10 23,40	,975	, 245	—, 08
10,204	12 Piscis Aust η 9	5	51 20,62	3,470	—, 022	—,004	7	—29 14 29,36	,980	, 259	—, 06
10,205	Aquarii 8	3	51 33,56	3,069	—, 005	+,016	3	+ 0 8 13,97	,989	, 225	+ ,04
10,206	Aquarii 8	2	51 52,25	3,414	—, 020	+,014	3	—25 47 48,38	17,003	, 253	—, 06
10,207	18 Pegasi A 6	5	51 53,38	2,997	—, 003	+,007	5	+ 5 55 47,71	,004	, 222	—, 10
10,208	159 Cephei 6	3	52 0,24	1,690	—, 002	+,019	4	+62 50 29,08	,010	, 119	—, 02
10,209	Aquarii 7.8	1	52 16,03	3,305	—, 015	+,019	2	—18 18 15,47	,023	, 243	—, 01
10,210	Indi 7	3	52 25,45	4,149	—, 073	——	3	—56 45 51,45	,030	, 315	——
10,211	Pegasi 8	2	52 36,01	2,727	+, 004	+,017	4	+25 59 41,86	,038	, 199	—, 06
10,212	28 Aquarii 6	5	52 38,28	3,073	—, 005	+,005	4	— 0 11 2,92	,040	, 225	—, 08
10,213	19 Pegasi 6	5	52 57,89	2,979	—, 003	+,001	5	+ 7 28 2,80	,055	, 219	—, 11
10,214	20 —— 5.6	6	53 3,32	2,917	—, 001	+,023	6	+12 19 58,94	,060	, 215	—, 11
10,215	161 Capricorni 7	3	53 6,64	3,309	—, 015	+,018	3	—18 41 29,00	,062	, 243	—, 12

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,216	Aquarii 8	2	21 53 14,76	+3,095	—,00006	+,025	5	— 1 55 6,01	17,068	+,00223	—0,11
10,217	Cygni 7.8	1	53 23,56	2,283	+, 007	+,010	3	+48 20 3,98	,075	, 162	— ,08
10,218	29 Aquarii x 6	9	53 24,39	3,295	—, 015	—,018	5	—17 45 22,41	,076	, 237	— ,12
10,219	Pegasi 8	2	53 40,14	2,729	+, 004	+,006	2	+26 2 22,46	,088	, 195	— ,13
10,220	Aquarii 8	3	53 44,10	3,440	—, 022	+,009	3	—27 50 36,87	,091	, 246	— ,15
10,221	Piscis Aust. 7	3	53 44,24	3,486	—, 025	+,026	3	—30 41 47,14	,091	, 251	— ,11
10,222	Cephei 7.8	5	53 51,47	2,000	+, 004	+,020	6	+56 52 11,92	,096	, 137	— ,01
10,223	Pegasi 7	2	53 55,23	2,946	—, 002	+,005	3	+10 10 55,12	,099	, 211	— ,07
10,224	102 ——— 7	3	54 1,19	2,938	—, 002	+,022	4	+10 46 28,33	,104	, 210	— ,01
10,225	Aquarii 8	4	54 3,52	3,091	—, 006	+,013	3	— 1 42 38,69	,105	, 221	+ ,01
10,226	Indi K² 6.7	3	54 11,96	4,300	—, 085	——	3	—60 25 46,50	,112	, 311	——
10,227	30 Aquarii 5.6	6	54 35,55	3,160	—, 010	+,012	5	— 7 18 58,67	,131	, 222	— ,05
10,228	31 ——— o 5	9	54 46,70	3,106	—, 007	+,013	5	— 2 56 55,56	,139	, 219	— ,08
10,229	PiscisAust ω 6.7	4	54 52,45	3,484	—, 024	+,011	10	—30 42 41,02	,143	, 249	— ,08
10,230	Aquarii 7.8	3	54 58,35	3,359	—, 018	+,016	3	—22 34 31,87	,147	, 238	— ,06
10,231	Aquarii 8.9	2	55 12,82	3,241	—, 013	+,003	3	—13 48 49,56	,158	, 227	— ,08
10,232	——— 6	6	55 13,09	3,433	—, 022	+,003	5	—27 37 0,99	,158	, 244	— ,04
10,233	21 Pegasi b 5.6	4	55 13,46	2,942	—, 001	+,012	5	+10 35 33,24	,158	, 209	+ ,12
10,234	Indi 9	6	55 26,16	4,265	—, 084	——	6	—59 55 41,18	,169	, 311	——
10,235	Cephei l 6.7	2	55 48,88	2,186	+, 006	+,019	4	+52 5 18,83	,186	, 157	— ,04
10,236	Gruis λ 6	6	56 8,72	3,655	—, 033	+,002	6	—40 20 9,22	,201	, 260	— ,20
10,237	Indi 7.8	3	56 11,08	4,267	—, 084	——	3	—60 6 54,82	,202	, 308	——
10,238	32 Aquarii 5.6	7	56 18,20	3,091	—, 006	+,012	5	— 1 42 4,64	,208	, 218	— ,15
10,239	Cephei 7.8	2	56 31,98	2,005	+, 007	—,011	4	+57 15 18,16	,217	, 137	+ ,06
10,240	105 ——— 6	2	56 32,22	2,007	+, 007	+,015	3	+57 12 22,18	,217	, 137	+ ,02
10,241	Piscis Aust. 8	4	56 44,97	3,464	—, 024	+,003	4	—29 52 8,65	,228	, 244	+ ,01
10,242	Cephei b 5.6	4	56 51,75	0,914	—, 036	—,024	6	+72 23 43,01	,232	, 056	— ,13
10,243	Indi 8	5	57 13,17	4,258	—, 084	——	5	—60 5 12,80	,249	, 304	——
10,244	34 Aquarii α 3	36	57 18,49	3,084	—, 006	+,006	63	— 1 7 3,85	,253	, 216	,00
10,245	22 Pegasi ν 5	5	57 21,44	3,021	—, 002	+,009	5	+ 4 15 18,02	,255	, 213	+ ,01
10,246	Pegasi 8	2	57 25,21	3,010	—, 002	+,012	4	+ 5 10 2,88	,258	, 212	,00
10,247	Lacertæ p 7	2	57 25,44	2,423	+, 010	+,002	4	+43 32 52,58	,258	, 167	— ,03
10,248	Aquarii 7	5	57 25,77	3,144	—, 009	——	2	— 6 9 16,30	,258	, 220	——
10,249	33 ——— ι 4.5	12	57 31,29	3,249	—, 013	+,006	8	—14 39 59,45	,262	, 228	— ,20
10,250	Pegasi 7	2	57 35,16	3,008	—, 002	+,013	4	+ 5 18 38,97	,265	, 212	— ,09
10,251	Gruis α 2	4	57 48,01	3,819	—, 047	——	5	—47 45 20,43	,274	, 271	——
10,252	Aquarii 7.8	3	58 3,04	3,359	—, 018	—,001	3	—23 2 32,45	,285	, 233	+ ,01
10,253	23 Pegasi 6	4	58 6,68	2,708	+, 006	+,016	5	+28 9 54,55	,288	, 186	— ,06
10,254	——— 7.8	1	58 15,29	3,019	—, 002	+,006	3	+ 4 23 39,14	,294	, 210	— ,03
10,255	Cephei ν 6.7	2	58 31,69	1,946	+, 006	+,015	3	+59 0 59,16	,306	, 130	,00
10,256	Piscis Aust. μ 7	2	58 44,62	3,522	—, 028	+,018	3	—33 47 24,00	,316	, 246	— ,15
10,257	——— ——— 6	7	58 45,56	3,541	—, 029	——	7	—34 50 40,21	,317	, 248	——
10,258	Cephei 7.8	1	58 50,20	1,951	+, 006	—,002	3	+59 4 4,05	,320	, 130	— ,07
10,259	17 ——— ξ 5	8	59 0,06	1,700	, 000	+,011	7	+63 49 31,85	,327	, 108	+ ,10
10,260	Piscis Aust. 7	2	59 4,86	3,524	—, 028	+,027	4	—33 55 48,41	,331	, 246	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,261	Lacertæ 7	2	21 59 10,35	+2,415	+,00010	+,018	3	+44 18 42,02	17,335	+,00164	—0,02
10,262	24 Pegasi ι 4	4	59 19,96	2,765	+, 004	+,024	8	+24 32 32,19	,342	, 191	+ ,04
10,263	10 Lacertæ 5.6	2	59 20,59	2,418	+, 010	—,020	4	+44 12 50,74	,343	, 164	+ ,07
10,264	Aquarii 7	1	59 26,01	3,407	—, 021	—,018	3	—26 34 18,38	,346	, 235	+ ,02
10,265	——— 8	3	59 35,62	3,156	—, 009	+,015	3	— 7 11 11,06	,353	, 214	+ ,04
10,266	120 Pegasi 6.7	1	59 37,31	2,844	+, 003	+,015	3	+18 40 17,04	,354	, 194	+ ,02
10,267	Indi 8	3	59 43,41	4,074	—, 068	——	3	—56 15 25,85	,359	, 284	——
10,268	Pegasi 8	2	59 47,74	2,624	+, 009	+,026	5	+33 42 59,65	,362	, 177	+ ,10
10,269	35 Aquarii 5.6	5	59 55,65	3,305	—, 016	+,008	5	—19 19 25,66	,367	, 225	+ ,11
10,270	175 Cephei 6.7	2	22 0 0,16	1,814	+, 004	+,020	4	+61 58 54,77	,371	, 115	+ ,07
10,271	Pegasi 7.8	2	0 1,09	2,770	+, 005	+,008	3	+24 12 49,41	,372	, 189	+ ,05
10,272	174 Cephei 6	3	0 3,89	1,841	+, 005	+,015	4	+61 28 45,42	,374	, 117	,00
10,273	25 Pegasi 6	5	0 5,61	2,816	+, 003	+,009	5	+20 54 8,62	,376	, 192	— ,13
10,274	Aquarii 8	3	0 13,45	3,076	—, 005	—,001	4	— 0 27 56,93	,381	, 209	— ,11
10,275	PiscisAust. τ 5.6	3	0 27,57	3,509	—, 027	+,058	4	—33 21 17,55	,391	, 242	— ,02
10,276	Piscis Aust. 6.7	3	0 35,13	3,441	—, 022	——	3	—29 5 58,44	,391	, 236	——
10,277	36 Aquarii 7	4	0 43,14	3,176	—, 010	+,008	5	— 8 59 37,15	,403	, 230	— ,03
10,278	——— 7	2	0 46,42	3,050	—, 004	+,010	3	+ 1 55 46,76	,405	, 200	— ,10
10,279	Cephei 7	1	1 36,65	2,012	+, 006	+,015	2	+58 2 13,97	,440	, 132	— ,06
10,280	37 Aquarii 6	5	1 43,33	3,207	—, 012	+,008	4	—11 37 47,77	,446	, 215	— ,08
10,281	Aquarii 7	6	1 46,18	3,125	—, 008	+,012	5	— 4 41 58,31	,448	, 209	— ,12
10,282	38 ——— o 6	6	1 47,99	3,216	—, 012	+,011	5	—12 22 22,40	,449	, 214	— ,07
10,283	Gruis 7.8	3	1 52,33	4,077	—, 071	——	3	—56 45 16,18	,452	, 282	——
10,284	Aquarii 7	6	1 52,45	3,338	—, 018	+,015	5	—22 2 21,57	,452	, 223	— ,08
10,285	26 Pegasi θ 4	6	1 52,53	3,009	—, 003	+,022	10	+ 5 23 20,81	,452	, 203	— ,04
10,286	27 Pegasi π^1 5	4	1 55,34	2,653	+, 008	—,004	2	+23 22 6,74	,454	, 177	— ,07
10,287	Aquarii q 6.7	6	1 57,35	3,129	—, 008	+,008	5	— 5 4 31,34	,456	, 209	— ,11
10,288	Piscis Aust. 7	4	2 5,39	3,420	—, 022	——	4	—27 57 34,96	,462	, 230	——
10,289	29 Pegasi π^2 4	10	2 39,93	2,656	+, 008	—,007	10	+32 22 16,64	,486	, 176	— ,05
10,290	28 ——— 6	3	2 42,60	2,831	+, 003	+,010	4	+20 10 11,59	,488	, 189	— ,06
10,291	Lacertæ 8	3	2 55,88	2,474	+, 010	+,004	4	+42 22 44,59	,498	, 164	— ,06
10,292	Cephei 7	3	3 1,66	2,005	+, 006	+,017	4	+58 29 11,62	,502	, 130	— ,06
10,293	——— 7.8	2	3 3,50	2,006	+, 006	+,021	2	+58 28 59,47	,504	, 130	+ ,11
10,295	Piscis Aust. 7	3	3 16,39	3,416	—, 022	——	3	—27 53 42,03	,513	, 228	——
10,294	Aquarii 8	1	3 18,25	3,238	—, 014	+,016	4	—15 2 10,64	,515	, 215	— ,02
10,296	Cephei 6.7	5	3 23,52	2,027	+, 006	+,044	5	+58 2 40,89	,518	, 131	+ ,05
10,297	Pegasi y 7	2	3 25,30	2,699	+, 007	+,009	4	+29 44 38,85	,520	, 177	— ,05
10,298	Aquarii 7	5	3 28,84	3,208	—, 012	——	5	—11 52 35,07	,522	, 213	——
10,299	39 ——— 7	11	3 31,63	3,245	—, 013	+,003	6	—15 0 11,80	,524	, 214	— ,13
10,300	Pegasi 7	2	3 39,88	3,002	+, 005	+,008	3	+ 6 5 9,38	,529	, 201	— ,11
10,301	Pegasi 6	3	3 53,36	2,894	+, 001	+,010	6	+15 13 50,01	,539	, 193	— ,03
10,302	Aquarii 7.8	3	4 1,74	3,154	—, 008	+,023	4	— 7 16 53,35	,545	, 207	+ ,03
10,303	138 ——— 7	2	4 8,18	3,134	—, 007	+,001	4	— 5 31 53,21	,551	, 206	— ,11
10,304	Piscis Aust. φ 5.6	4	4 27,62	3,386	—, 020	+,022	10	—25 59 42,65	,564	, 223	— ,08
10,305	Gruis 7	5	4 32,35	3,652	—, 036	+,073	5	—42 9 35,30	,567	, 245	— ,62

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,306	Gruis 7.8	3	22 4 35,59	+3,944	—,00959	——	3	—53 30 58,40	17,568	+,00263	——
10,307	40 Aquarii 7	3	4 36,70	3,216	—, 012	+,006	5	—12 44 17,68	,569	, 209	—0,12
10,308	Cephei 7	2	4 48,57	1,789	+, 005	+,018	3	+63 18 44,11	,577	, 109	— ,04
10,309	16 Piscis Aust. λ 6	6	4 56,88	3,422	—, 022	+,017	8	—28 34 51,32	,584	, 222	— ,05
10,310	21 Cephei ζ 4	4	5 8,27	2,067	+, 007	+,017	8	+57 23 22,49	,593	, 132	,00
10,311	Cephei 6.7	2	5 9,62	2,077	+, 007	+,024	3	+57 7 41,85	,594	, 131	+ ,01
10,312	41 Aquarii F 6	5	5 10,75	3,329	—, 018	+,009	5	—21 53 30,03	,595	, 217	+ ,04
10,313	—— 7	4	5 15,87	3,130	—, 006	——	4	— 5 15 55,04	,598	, 203	——
10,314	Pegasi 6.7	3	5 30,42	2,642	+, 009	+,018	3	+33 47 35,70	,607	, 171	— ,10
10,315	144 —— 7	5	5 33,87	2,771	+, 010	+,009	7	+25 7 59,19	,609	, 179	— ,25
10,316	Gruis μ¹ 5	5	5 38,96	3,650	—, 036	+,027	8	—42 9 51,49	,612	, 241	— ,07
10,317	Pegasi 7.8	1	5 47,78	2,974	—, 001	+,011	3	+ 8 39 50,81	,619	, 194	— ,07
10,318	Aquarii 8	3	5 54,07	3,393	—, 021	+,008	4	—26 46 59,90	,623	, 221	,00
10,319	Cephei λ 6	3	5 55,09	2,025	+, 009	+,021	4	+58 36 8,50	,624	, 128	— ,03
10,320	147 Pegasi 6	3	6 5,64	2,735	+, 006	+,020	3	+27 47 35,19	,633	, 175	— ,11
10,321	149 Pegasi 7.8	3	6 23,00	2,884	+, 003	—,001	4	+16 22 40,07	,644	, 188	— ,24
10,322	Gruis 7	3	6 25,37	3,984	—, 063	——	3	—55 8 19,37	,645	, 263	——
10,323	—— μ² 5	6	6 29,59	3,652	—, 036	+,006	5	—42 26 39,79	,648	, 240	— ,12
10,324	Aquarii 7	2	6 34,79	3,142	—, 007	+,016	4	— 6 24 5,65	,652	, 202	— ,03
10,325	Cephei φ 6	3	6 37,36	1,170	—, 022	+,032	2	+71 31 48,85	,654	, 063	+ ,10
10,326	Lacertæ m 5	5	6 48,38	2,559	+, 012	+,016	5	+38 53 56,47	,661	, 163	— ,10
10,327	192 Cephei 6.7	2	7 0,25	1,201	—, 022	+,026	4	+71 18 2,09	,669	, 064	— ,24
10,328	Pegasi 7.8	3	7 5,06	2,796	+, 004	+,010	3	+23,29 51,22	,673	, 179	,00
10,329	Tucanæ α 3	5	7 7,81	4,215	—, 090	——	5	—61 4 38,24	,674	, 277	——
10,330	Cephei 7.8	2	7 14,99	1,859	+, 008	—,005	2	+62 28 37,04	,679	, 111	— ,03
10,331	Aquarii 8.9	3	7 17,95	3,276	—, 015	+,017	3	—18 1 24,37	,681	, 209	,00
10,332	Piscis Aust. 6	4	7 20,66	3,389	—, 021	+,012	5	—26 42 59,25	,683	, 217	— ,15
10,333	Cephei 7.8	5	7 36,12	2,108	+, 009	—,025	4	+56 49 25,90	,693	, 131	— ,03
10,334	42 Aquarii 6	2	7 57,61	3,224	—, 011	+,020	5	—13 39 2,42	,709	, 205	— ,03
10,335	—— 7	6	8 3,71	3,097	—, 005	+,010	5	— 2 24 55,54	,713	, 196	— ,07
10,336	43 Aquarii θ 4.5	6	8 7,44	3,166	—, 009	+,018	5	— 8 36 4,61	,715	, 199	— ,01
10,337	—— 6	3	8 9,64	3,180	—, 010	+,006	4	— 9 51 32,88	,716	, 201	— ,03
10,338	44 —— 6.7	6	8 29,42	3,139	—, 007	—,004	5	— 6 12 30,22	,719	, 198	— ,11
10,339	Cephei 6.7	2	8 38,80	1,880	+, 008	+,017	3	+62 20 42,65	,736	, 113	+ ,01
10,340	1 Lacertæ a 5	6	8 47,24	2,602	+, 011	+,016	6	+36 55 43,93	,742	, 163	— ,13
10,341	155 Pegasi 7	3	8 54,51	2,754	+, 006	+,004	3	+26 59 3,12	,747	, 172	— ,06
10,342	23 Cephei ε 4.5	6	8 58,04	2,140	+, 009	+,062	11	+56 13 21,96	,749	, 133	+ ,06
10,343	Pegasi 7.8	3	9 6,42	2,735	+, 011	+,014	3	+28 21 6,88	,755	, 173	— ,04
10,344	—— 7.8	3	9 11,10	3,024	—, 004	+,009	4	+ 4 19 23,92	,758	, 191	— ,02
10,345	Lacertæ 8	3	9 12,34	2,465	+, 011	+,009	4	+44 16 9,76	,759	, 155	— ,02
10,346	Pegasi 7.8	2	10 0,06	2,927	, 000	+,013	3	+13 7 44,47	,792	, 185	— ,07
10,347	45 Aquarii D 6	9	10 9,19	3,226	—, 012	+,016	9	—14 7 38,89	,798	, 200	— ,03
10,348	160 Pegasi 7.8	2	10 9,73	2,768	+, 005	+,001	2	+26 6 51,32	,799	, 173	— ,07
10,349	196 Cephei 6.7	3	10 29,94	2,145	+, 009	+,028	3	+56 23 54,21	,812	, 131	— ,04
10,350	—— 6.7	3	10 33,70	1,219	—, 023	+,032	4	+71 38 44,38	,814	, 067	— ,03

General No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,351	Aquarii 8	3	22 10 44,34	+3,172	—,00009	+,005	4	— 9 19 42,74	17,821	+,00194	—0,06
10,352	Pegasi 7	3	10 53,98	2,858	+, 004	+,016	3	+19 8 26,64	,828	, 177	—,09
10,353	——— 7	3	11 20,27	2,927	, 000	+,011	4	+13 14 43,90	,845	, 182	—,07
10,354	46 Aquarii ρ 6	6	11 30,85	3,164	—, 009	—,002	5	— 8 38 46,92	,852	, 193	—,11
10,355	Lacertæ 7	2	11 42,71	2,613	+, 011	+,004	3	+36 56 32,60	,860	, 160	—,00
10,356	Gruis 7.8	3	11 45,16	4,007	—, 070	——	3	—56 58 46,08	,862	, 253	—,14
10,357	30 Pegasi 5	6	12 9,48	3,018	—, 003	+,013	5	+ 4 57 48,87	,878	, 185	—,08
10,358	47 Aquarii l 5	9	12 30,18	3,320	—, 018	+,011	8	—22 25 17,18	,892	, 202	—,10
10,359	Gruis π¹ 6.7	3	12 37,12	3,713	—, 046	——	3	—46 46 34,61	,896	, 230	—,14
10,360	Pegasi 7	2	12 38,44	2,929	, 000	+,008	4	+13 12 24,61	,897	, 178	—,01
10,361	165 Pegasi 6.7	3	12 41,70	2,993	—, 003	+,018	4	+ 7 21 30,32	,899	, 181	—,06
10,362	Aquarii 7	2	12 45,62	3,146	—, 008	+,005	4	— 7 4 13,14	,901	, 190	—,00
10,363	199 Cephei 6	3	12 50,12	1,938	+, 007	+,014	3	+61 58 43,12	,904	, 110	+,08
10,364	Gruis π² 6	3	12 58,07	3,711	—, 045	——	3	—46 45 18,52	,910	, 229	—,14
10,365	Pegasi 7	2	13 6,96	2,989	—, 001	+,010	4	+ 7 47 41,87	,916	, 181	—,12
10,366	48 Aquarii γ 4	6	13 7,99	3,094	—, 005	+,016	5	— 2 12 58,80	,917	, 187	—,12
10,367	162 ——— 8	4	13 8,47	3,145	—, 008	+,003	4	— 7 0 33,23	,917	, 190	—,13
10,368	167 Pegasi 7	3	13 20,76	2,777	+, 005	+,019	4	+26 6 27,18	,925	, 167	—,06
10,369	31 ——— d 4.5	7	13 24,01	2,950	—, 001	+,011	9	+11 22 35,71	,927	, 180	—,09
10,370	32 ——— C 5.6	5	13 42,69	2,760	+, 006	+,008	5	+27 30 6,92	,938	, 163	—,03
10,371	Tucanæ 6.7	5	13 55,47	4,050	—, 072	——	6	—58 36 50,55	,947	, 251	—,14
10,372	Cephei m 7	3	14 3,78	2,184	+, 010	+,010	4	+56 5 24,31	,952	, 128	+,02
10,373	2 Lacertæ b 5	10	14 13,18	2,461	+, 012	+,011	5	+45 42 28,45	,959	, 145	+,03
10,374	49 Aquarii 6	4	14 18,54	3,356	—, 020	+,016	5	—25 35 36,04	,962	, 200	—,08
10,375	——— 7	4	14 52,68	3,154	—, 009	+,013	5	— 8 1 32,89	,984	, 186	—,03
10,376	Pegasi 8	2	15 14,14	3,012	—, 003	+,015	4	+ 5 42 35,54	,999	, 178	,00
10,377	Aquarii 7.8	2	15 23,91	3,186	—, 011	+,004	4	—11 1 43,15	18,005	, 187	—,10
10,378	Tucanæ δ 5	7	15 30,52	4,381	—, 117	——	9	—65 48 6,16	,009	, 275	——
10,379	51 Aquarii G 6	5	15 31,05	3,129	—, 007	+,016	5	— 5 40 8,66	,009	, 184	—,08
10,380	Piscis Aust. 7	3	15 32,27	3,380	—, 021	+,007	4	—27 41 29,37	,010	, 201	—,07
10,381	Lacertæ 7.8	3	15 32,28	2,646	+, 012	+,018	4	+35 49 29,78	,010	, 157	—,02
10,382	50 Aquarii 6	3	15 36,28	3,222	—, 012	+,002	5	—14 21 47,09	,012	, 189	—,07
10,383	171 Pegasi 7	3	15 43,25	2,857	+, 005	+,020	3	+20 1 0,66	,017	, 168	—,10
10,384	Aquarii 7	5	16 5,00	3,092	—, 005	+,014	5	— 2 1 18,87	,031	, 181	—,06
10,385	204 Cephei 6.7	5	16 18,42	0,785	—, 020	+,045	7	+75 39 33,57	,040	, 032	—,03
10,386	Tucanæ 8	3	16 26,41	4,036	—, 076	——	3	—58 50 11,93	,046	, 244	——
10,387	52 Aquarii π 5	12	16 51,07	3,066	—, 004	+,010	6	+ 0 32 33,75	,060	, 186	—,06
10,388	201 Cephei 7.8	3	16 56,07	2,237	+, 011	+,003	4	+55 7 49,26	,063	, 129	—,03
10,389	Piscis Aust. 6	4	17 2,51	3,336	—, 019	+,011	5	—24 31 3,99	,068	, 192	—,06
10,390	Gruis 7.8	6	17 4,26	3,767	—, 051	——	3	—50 11 16,55	,069	, 223	——
10,391	3 Lacertæ C 4	9	17 4,63	2,344	+, 012	+,003	10	+51 24 15,86	,069	, 133	—,17
10,392	53 Aquarii E¹ 6.7	6	17 36,17	3,254	+, 015	+,017	9	—17 34 38,58	,088	, 187	—,01
10,393	58 ——— E² 6.7	7	17 36,57	3,254	+, 015	+,001	4	—17 34 42,31	,088	, 187	+,01
10,394	175 Pegasi 6.7	2	17 43,24	2,888	+, 004	+,007	3	+17 36 26,24	,093	, 171	—,04
10,395	4 Lacertæ d 5	4	17 50,32	2,416	+, 011	+,017	5	+48 38 31,48	,097	, 135	+,01

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,396	178 Aquarii 7	2	22 17 55,73	+3,194	—,00011	+,016	3	—12 3 50,47	18,102	+,00187	0,00
10,397	Tucanæ 8.9	3	18 0,55	4,071	—, 081	——	3	—60 4 8,83	,104	, 247	——
10,398	34 Pegasi H¹ 5.6	4	18 16,30	3,035	—, 004	+,026	4	+ 3 33 18,02	,112	, 178	— ,01
10,399	180 ——— 7	3	18 21,27	2,802	+, 005	+,011	4	+25 5 29,62	,118	, 163	— ,01
10,400	37 Lacertæ 6.7	2	18 27,91	2,378	+, 012	+,006	4	+50 25 8,68	,121	, 137	— ,09
10,401	Piscis Aust. 6.7	3	18 31,59	3,550	—, 033	——	2	—39 55 37,03	,123	, 211	——
10,402	Lacertæ 7.8	3	18 45,97	2,400	+, 012	+,002	4	+49 33 55,96	,132	, 137	— ,00
10,403	Gruis o 6.7	6	18 57,46	3,549	—, 033	+,013	6	—39 57 50,49	,140	, 209	— ,05
10,404	Cephei 7.8	3	19 14,73	1,967	+, 011	+,015	4	+62 44 1,85	,150	, 109	+ ,01
10,405	Pegasi 7.8	3	19 22,63	3,035	—, 004	+,011	4	+ 3 41 4,38	,156	, 176	— ,06
10,406	Gruis δ¹ 4	3	19 22,69	3,626	—, 039	+,010	6	—44 20 6,56	,156	, 214	— ,02
10,407	35 Pegasi H² 5.6	9	19 30,50	3,033	—, 004	+,019	9	+ 3 52 16,65	,161	, 174	— ,45
10,408	Gruis δ² 5	5	19 52,38	3,626	—, 039	+,024	10	—44 35 26,01	,174	, 213	— ,18
10,409	Pegasi 8	2	20 13,51	2,732	+, 009	+,014	2	+30 59 56,32	,186	, 156	— ,10
10,410	Cephei 7	2	20 16,22	1,989	+, 010	+,002	3	+62 29 23,79	,188	, 109	— ,01
10,411	55 Aquarii ζ 4	6	20 20,06	3,079	—, 004	+,019	5	— 0 51 41,17	,192	, 178	+ ,02
10,412	——— 8	3	20 21,76	3,176	—, 010	+,014	2	—10 34 37,33	,193	, 182	— ,11
10,413	Piscis Aust. 8	2	20 31,58	3,369	—, 022	+,012	4	—27 56 52,99	,199	, 195	— ,04
10,414	Aquarii 8.9	2	20 35,89	3,175	—, 011	+,015	3	—10 30 12,08	,202	, 181	— ,02
10,415	187 Pegasi 6.7	2	20 54,29	2,990	—, 001	+,013	4	+ 8 17 20,00	,213	, 171	— ,11
10,416	Aquarii 6.7	4	21 11,92	3,207	—, 012	——	5	—13 45 26,03	,223	, 182	——
10,417	56 ——— f 6	8	21 26,29	3,225	—, 013	+,008	5	—15 25 35,57	,232	, 183	— ,12
10,418	Pegasi L 6.7	3	21 26,80	2,800	+, 007	+,008	8	+25 55 24,70	,232	, 158	+ ,10
10,419	37 ——— H³ 6	6	21 37,66	3,036	—, 003	+,007	3	+ 3 35 45,69	,239	, 172	— ,05
10,420	Piscis Aust. 9	3	21 42,33	3,330	—, 020	+,010	3	—25 0 36,79	,242	, 188	+ ,04
10,421	PiscisAust. ζ 8	1	21 42,71	3,353	—, 021	+,002	4	—26 54 48,46	,242	, 189	— ,08
10,422	Cephei M 6.7	2	21 47,53	1,917	+, 009	+,023	4	+64 17 31,08	,245	, 101	— ,06
10,423	57 Aquarii σ 5	9	21 54,67	3,184	—, 011	+,001	5	—11 31 9,96	,949	, 179	— ,10
10,424	17 PiscisAust. β 4	9	22 6,82	3,433	—, 027	+,014	9	—33 11 21,48	,256	, 196	— ,07
10,425	——— ——— 8.9	4	22 7,02	3,433	—, 027	+,013	2	—33 11 50,61	,256	, 196	— ,03
10,426	Aquarii 8.9	4	22 8,35	3,183	—, 011	+,012	4	—11 28 6,97	,257	, 179	— ,03
10,427	Pegasi 7.8	2	22 19,66	3,037	—, 003	+,007	4	+ 3 29 24,74	,264	, 171	— ,08
10,428	Aquarii 8	3	22 21,48	3,183	—, 011	+,003	3	—11 26 56,41	,265	, 179	— ,05
10,429	Gruis 7	4	22 22,33	3,606	—, 039	——	4	—44 6 29,40	,266	, 207	——
10,430	193 Pegasi 6	5	22 29,56	2,730	+, 010	+,035	6	+31 43 48,28	,270	, 153	— ,06
10,431	Lacertæ e 5	5	22 40,11	2,483	+, 013	—,001	7	+46 51 54,09	,276	, 138	+ ,07
10,432	Tucanæ 7.8	3	22 49,72	3,989	—, 076	——	3	—59 3 36,98	,282	, 231	——
10,433	Pegasi 7	2	22 56,13	2,989	—, 001	+,012	4	+ 8 28 36,53	,286	, 168	— ,18
10,434	58 Aquarii 6	5	22 56,26	3,185	—, 011	+,010	5	—11 44 53,47	,286	, 177	— ,13
10,435	Cephei 7.8	2	23 2,36	2,207	+, 012	+,027	4	+57 33 40,70	,289	, 124	— ,01
10,436	27 Cephei δ 4.5	6	23 3,35	2,207	+, 012	+,019	10	+57 34 20,99	,290	, 124	— ,00
10,437	42 Lacertæ 7	3	23 18,19	2,381	+, 013	+,008	6	+51 34 19,22	,299	, 131	+ ,02
10,438	Aquarii 8	4	23 21,01	3,212	—, 012	+,007	5	—14 26 22,81	,301	, 178	+ ,03
10,439	Lacertæ 6	4	23 22,73	2,574	+, 014	+,009	4	+42 16 45,20	,302	, 147	— ,04
10,440	Gruis 8	3	23 51,40	3,853	—, 062	——	3	—55 8 41,09	,319	, 220	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,441	195 Pegasi 6.7	2	22 23 55,77	+2,773	+,00009	—,005	3	+28 41 55,33	18,322	+,00150	+,06
10,442	Aquarii 8	3	24 9,09	3,251	—, 015	+,003	3	—18 20 46,51	,329	, 176	—,02
10,443	7 Lacertæ g 4	5	24 30,33	2,439	+, 014	+,017	11	+49 26 9,67	,342	, 132	—,02
10,444	39 Pegasi K 6	4	24 37,55	2,881	+, 006	+,017	5	+19 22 55,43	,347	, 158	—,05
10,445	Tucanæ 7	3	25 8,65	3,957	—, 074	——	3	—58 43 58,89	,364	, 222	—,01
10,446	Gruis 7	3	25 19,20	3,769	—, 055	——	3	—52 27 11,74	,370	, 210	—,14
10,447	Cephei C 6.7	4	25 23,13	0,559	—, 082	+,040	4	+77 56 42,30	,373	, 024	+,01
10,448	Aquarii 7	5	25 24,96	3,170	—, 010	+,010	5	—10 27 24,73	,374	, 170	—,02
10,449	60 —— H 6.7	6	25 32,65	3,094	—, 004	+,013	4	— 2 25 16,42	,379	, 164	—,17
10,450	59 —— ν 5	5	25 39,44	3,287	—, 017	+,018	5	—21 33 1,64	,381	, 175	—,20
10,451	Cephei 7	5	25 56,39	—3,545	—,01131	+,102	5	+85 23 17,70	,392	—,00216	+,05
10,452	Aquarii 7	10	26 9,52	+3,073	—,00003	+,006	5	— 0 15 3,88	,400	+,00164	—,16
10,453	Cephei 7	4	26 23,96	—3,350	—,01130	+,154	5	+85 16 22,81	,408	—,00211	—,08
10,454	Aquarii 7	4	26 31,34	+3,311	—, 020	+,007	3	—24 50 27,71	,412	+,00177	—,02
10,455	Gruis 7	3	26 37,40	3,684	—, 048	——	3	—49 9 23,13	,415	, 201	—,13
10,456	Gruis σ¹ 6.7	3	26 50,20	3,538	—, 034	+,018	7	—41 25 52,28	,423	, 189	—,18
10,457	62 Aquarii η 4	6	26 52,69	3,079	—, 003	+,016	5	— 0 57 56,36	,425	, 162	—,18
10,458	—— 9	2	26 54,86	3,282	—, 017	+,015	4	—21 47 6,82	,426	, 173	—,08
10,459	61 —— L 7	5	26 55,44	3,246	—, 014	+,015	6	—18 18 33,79	,426	, 170	—,14
10,460	217 Cephei 7	2	27 17,33	2,297	+, 015	+,006	3	+55 46 21,65	,439	, 122	—,02
10,461	Piscis Aust. L 6	4	27 17,37	3,407	—, 025	,000	6	—32 30 48,43	,439	, 181	—,01
10,462	Gruis σ² 6	6	27 19,61	3,535	—, 035	+,012	7	—41 26 23,00	,441	, 190	—,01
10,463	Piscis Aust. 7.8	3	27 21,09	3,406	—, 025	—,002	2	—32 29 35,33	,442	, 182	—,10
10,464	Lacertæ 8.9	3	27 32,48	2,561	+, 014	+,025	4	—44 9 14,29	,447	, 138	—,13
10,465	Aquarii 7.8	3	27 47,82	3,282	—, 018	+,014	4	—21 56 33,73	,457	, 171	,00
10,466	204 Pegasi 7	1	27 52,30	2,887	+, 006	+,001	3	+19 25 40,24	,459	, 152	—,13
10,467	Lacertæ 8	7	28 7,82	2,652	+, 016	+,041	5	+38 44 0,18	,469	, 142	—,15
10,468	—— 7.8	3	28 11,04	2,562	+, 015	—,007	4	+44 18 16,73	,470	, 136	+,19
10,469	Cephei ρ 6.7	6	28 20,74	0,626	—, 085	+,051	6	+77 58 39,97	,476	, 080	+,08
10,470	Aquarii 7	2	28 31,59	3,273	+, 017	+,002	4	—21 13 45,70	,482	, 170	—,14
10,471	Lacertæ 7	3	28 32,10	2,653	—, 015	+,017	2	+38 46 32,88	,482	, 142	—,29
10,472	7 Androm 7	3	28 32,32	2,654	+, 015	+,004	9	+38 46 55,73	,482	, 142	—,10
10,473	Gruis 6.7	2	28 53,91	3,772	—, 058	——	2	—53 32 47,35	,495	, 202	——
10,474	Piscis Aust. 8 9	6	28 56,12	3,350	—, 022	+,063	6	—28 17 54,94	,496	, 173	—,16
10,475	63 Aquarii κ 6	14	29 12,67	3,117	—, 006	+,001	10	— 5 4 36,96	,505	, 160	—,22
10,476	Gruis 7.8	3	30 4,09	3,690	—, 050	——	3	—50 27 6,42	,534	, 194	—,07
10,477	Tucanæ 7.8	3	30 14,87	3,897	—, 070	——	3	—58 16 44,33	,540	, 208	—,01
10,478	217 Cephei 7	3	30 28,48	3,038	—, 003	+,016	4	+ 3 40 30,03	,548	, 155	—,05
10,479	Piscis Aust. 7	3	30 32,48	3,355	—, 022	——	3	—29 10 50,20	,550	, 172	—,17
10,480	—— —— 7	3	30 34,79	3,355	—, 022	——	3	—29 12 9,27	,551	, 172	—,01
10,481	64 Aquarii 6.7	5	30 35,02	3,169	—, 010	+,002	5	—10 53 1,73	,551	, 160	—,18
10,482	48 Lacertæ 6	2	30 36,46	2,450	+, 014	+,001	4	+50 41 41,10	,552	, 131	—,19
10,483	Aquarii 8	3	30 43,00	3,111	—, 005	+,014	3	— 4 27 45,18	,555	, 156	—,07
10,484	40 Pegasi Q¹ 6	4	30 54,10	2,900	+, 006	+,014	5	+18 40 13,39	,562	, 147	—,17
10,485	51 Piscis Aust. 6.7	3	31 9,08	3,381	—, 024	,000	3	—31 30 23,82	,570	, 172	—,20

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s.	s	s.		° ′ ″	″ +	″	″
10,486	49 Lacertæ 6.7	3	22 31 9,70	+2,577	+,00015	—,004	3	+44 19 37,67	18,570	+,00134	—0,05
10,487	Aquarii 7	5	31 25,54	3,162	—, 009	+,024	6	—10 13 6,56	,579	, 159	+ ,04
10,488	18 Piscis Aust. 4	10	31 30,99	3,338	—, 022	+,005	5	—27 54 4,04	,582	, 168	— ,03
10,489	205 Aquarii 7	3	31 36,22	3,136	—, 008	+,008	4	— 7 23 25,08	,585	, 156	— ,07
10,490	11 Androm 7	2	31 37,46	2,699	+, 013	—,004	2	+36 31 4,94	,587	, 137	— ,19
10,491	31 Cephei 5	4	31 40,65	1,448	—, 007	+,025	5	+72 47 16,97	,588	, 069	+ ,05
10,492	41 Pegasi Q² 6	5	31 47,87	2,900	+, 006	+,013	4	+18 49 26,86	,592	, 147	— ,15
10,493	12 Androm 6	2	31 51,78	2,676	+, 016	—,002	3	+38 11 36,86	,593	, 138	— ,07
10,494	——— f 7	2	32 5,00	2,701	+, 013	+,032	3	+36 29 46,35	,601	, 138	— ,10
10,495	Aquarii 8	3	32 15,77	3,110	—, 004	+,008	6	— 4 24 38,30	,606	, 156	— ,10
10,496	Piscis Aust. 8	3	32 18,57	3,338	—, 022	+,002	4	—28 6 56,03	,608	, 167	— ,03
10,497	Pegasi 8	2	32 42,41	2,950	+, 003	+,032	1	+13 41 1,85	,620	, 147	— ,06
10,498	Gruis 6	7	32 44,91	3,624	—, 047	——	5	—48 3 21,53	,621	, 184	——
10,499	——— β 3	6	32 46,73	3,618	—, 047	——	5	—47 44 41,29	,622	, 184	——
10,500	30 Cephei 5	4	32 49,13	2,108	+, 014	+,011	5	+62 43 41,90	,624	, 107	+ ,03
10,501	Gruis 7	3	32 59,41	3,568	—, 041	——	3	—45 6 35,64	,630	, 180	——
10,502	Piscis Aust. γ 6.7	2	33 10,67	3,359	—, 023	+,011	4	—30 13 12,61	,635	, 166	— ,01
10,503	42 Pegasi ζ 3	13	33 14,15	2,984	+, 001	+,012	16	+ 9 58 20,22	,637	, 149	— ,09
10,504	Lacertæ h 7	2	33 17,48	2,604	+, 016	+,014	1	+43 24 59,81	,639	, 132	— ,06
10,505	Aquarii 8	3	33 18,65	3,167	—, 010	+,012	2	—10 59 8,74	,640	, 146	— ,03
10,506	Cephei 8	5	33 19,53	2,324	+, 016	+,030	6	+56 31 46,61	,641	, 122	+ ,03
10,507	Aquarii 9	5	33 34,14	3,108	—, 005	+,014	4	— 4 19 59,28	,648	, 152	— ,29
10,508	Pegasi P² 6	3	33 48,57	2,952	+, 002	+,001	2	+13 39 25,67	,656	, 147	— ,03
10,509	Gruis ρ 6	2	33 54,52	3,517	—, 036	+,008	4	—42 16 18,04	,659	, 175	+ ,16
10,510	Lacertæ 7.8	2	33 58,20	2,595	+, 016	+,001	2	+44 8 52,76	,661	, 129	— ,02
10,511	43 Pegasi o 5	5	34 1,12	2,805	+, 009	+,011	9	+28 26 53,37	,663	, 138	— ,11
10,512	15 Androm 6	2	34 5,71	2,669	+, 015	+,002	3	+39 21 54,09	,665	, 135	— ,11
10,513	65 Aquarii I 7	6	34 20,22	3,166	—, 010	+,008	5	—10 57 51,95	,673	, 155	— ,06
10,514	——— 7	7	34 24,66	3,150	—, 008	+,022	6	— 9 10 21,87	,675	, 154	— ,04
10,515	216 ——— 7	2	34 35,42	3,140	—, 008	+,007	4	— 8 4 34,50	,681	, 153	+ ,05
10,516	67 Aquarii N 6	6	34 37,10	3,138	—, 008	+,002	5	— 7 49 26,67	,682	, 153	— ,08
10,517	66 ——— g¹ 6.7	6	34 42,01	3,245	—, 015	+,003	5	—19 41 27,37	,684	, 157	— ,02
10,518	——— 9	3	34 48,25	3,150	—, 009	+,008	4	— 9 16 44,03	,687	, 153	+ ,04
10,519	44 Pegasi η 3	7	35 16,73	2,799	+, 010	+,014	10	+29 21 36,66	,702	, 136	— ,10
10,520	Gruis η 5	8	35 27,67	3,743	—, 061	——	9	—54 21 55,79	,708	, 189	——
10,521	Gruis 6.7	3	35 54,52	3,593	—, 045	——	3	—47 24 40,28	,723	, 175	——
10,522	Aquarii 9	4	35 58,40	3,143	—, 008	+,008	4	— 8 28 50,65	,725	, 149	— ,08
10,523	Gruis 7.8	3	36 11,77	3,637	—, 050	——	3	—49 50 28,45	,732	, 178	——
10,524	Lacertæ 8	2	36 25,06	2,615	+, 016	+,008	4	+43 40 38,54	,739	, 127	+1,04
10,525	Aquarii 9	4	36 28,71	3,142	—, 008	+,018	4	— 8 25 48,51	,741	, 150	—0,02
10,526	20 Piscis Aust ψ¹ 6	5	36 28,73	3,305	—, 020	+,010	5	—26 6 6,42	,741	, 156	,00
10,527	Gruis 7	6	36 31,35	3,649	—, 052	——	6	—50 32 22,11	,742	, 178	——
10,528	222 Aquarii 7	2	36 40,56	3,159	—, 010	+,014	4	—10 30 31,94	,747	, 150	— ,08
10,529	Andram 6	2	36 44,74	2,659	+, 017	+,006	4	+40 57 16,27	,749	, 130	— ,13
10,530	Gruis 6.7	6	36 56,00	3,594	—, 047	——	6	—47 48 20,12	,755	, 174	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″ —	″
10,531	45 Pegasi 6	5	22 37 26,93	+2,913	+,00006	+,012	5	+18 29 55,02	18,771	+,00140	+0,10
10,532	Aquarii 8.9	4	37 39,75	3,159	—, 009	+,010	3	—10 33 39,34	,778	, 146	—,12
10,533	Pegasi 8	5	37 53,44	2,805	+, 010	—,011	4	+29 35 32,40	,785	, 129	—,42
10,534	Gruis 7	3	38 23,38	3,450	—, 032	——	3	—39 5 11,34	,800	, 162	—,01
10,535	46 Pegasi ξ 5	6	38 27,25	2,978	+, 001	+,021	5	+11 19 45,25	,802	, 140	—,57
10,536	Gruis ε 4	3	38 33,05	3,671	—, 056	——	5	—52 10 55,26	,805	, 175	—,1
10,537	47 Pegasi λ 4.5	8	38 35,43	2,876	+, 007	—,001	11	+22 41 58,00	,806	, 132	—,15
10,538	68 Aquarii g^2 6	5	38 41,01	3,244	—, 015	+,002	5	—20 28 17,49	,809	, 149	—,21
10,539	69 —— r^1 6	10	38 56,86	3,194	—, 012	+,010	5	—14 55 25,30	,817	, 146	—,02
10,540	Lacertæ 8	3	39 8,94	2,603	+, 017	+,021	3	+45 20 56,07	,823	, 121	—,05
10,541	Aquarii 8	6	39 19,76	3,112	—, 005	+,003	8	— 5 5 0,67	,829	, 143	—,42
10,542	—— 7.8	2	39 21,37	3,112	—, 005	+,018	2	— 5 5 50,74	,830	, 143	—,16
10,543	—— 9	4	39 27,25	3,244	—, 015	+,002	4	—20 33 49,79	,833	, 147	—,12
10,544	70 —— 6	9	39 49,05	3,164	—, 010	—,001	5	—11 25 28,06	,844	, 143	—,07
10,545	Androm h 6.7	3	40 38,35	2,735	+, 014	+,002	3	+36 32 59,03	,868	, 125	—,12
10,546	Piscis Aust. 8	3	40 46,75	3,373	—, 026	+,019	3	—33 40 29,95	,872	, 152	—,01
10,547	71 Aquarii r^2 5.6	11	40 51,07	3,188	—, 011	+,002	4	—14 27 40,27	,875	, 142	—,02
10,548	Piscis Aust. 6	3	41 14,13	3,335	—, 023	+,002	3	—30 24 29,20	,886	, 150	—,06
10,549	T acanæ 7.8	2	41 18,71	3,875	—, 049	——	2	—60 45 11,99	,888	, 177	—,4
10,550	Gruis A 7.8	3	41 37,38	3,448	—, 033	+,021	4	—40 1 42,70	,898	, 154	—,01
10,551	Aquarii 8.9	3	41 37,65	3,137	—, 008	+,012	4	— 8 19 49,52	,898	, 138	+,03
10,552	48 Pegasi μ 4	9	42 2,78	2,875	+, 008	+,026	12	+23 43 56,01	,909	, 128	—,06
10,553	237 Aquarii 6.7	2	42 10,15	3,135	—, 008	+,001	4	— 8 10 57,87	,913	, 139	—,05
10,554	247 Pegasi 6.7	3	42 34,85	2,925	+, 005	—,005	3	+18 16 11,74	,925	, 130	,00
10,555	Androm k 7	3	42 56,11	2,686	+, 017	+,004	4	+41 4 51,64	,936	, 119	—,04
10,556	22 Piscis Aust. 5	5	43 20,31	3,364	—, 027	+,003	3	—33 44 53,23	,947	, 148	—,09
10,557	32 Cephei λ^1_1 4	1	43 49,83	2,121	+, 020	+,015	5	+65 20 3,43	,961	, 087	—,07
10,558	Gruis 6.7	3	43 50,34	3,581	—, 047	——	3	—49 28 8,77	,961	, 159	——
10,559	73 Aquarii λ 4	10	44 0,25	3,136	—, 008	+,009	5	— 8 27 18,50	,966	, 135	+,03
10,560	49 Pegasi σ 5.6	5	44 2,71	3,002	, 000	+,054	6	+ 8 57 34,57	,967	, 129	—,04
10,561	Pegasi 8	4	44 9,61	3,051	—, 003	+,018	4	+ 2 40 42,05	,970	, 133	—,11
10,562	Cephei 7.8	4	44 10,64	—0,185	—, 240	+,081	6	+82 24 7,16	,971	—,00007	+,05
10,563	Androm l 6	1	44 36,54	+2,676	+, 019	+,021	4	+42 26 12,26	,983	+,00115	—,02
10,564	74 Aquarii K 6	7	44 47,31	3,166	—, 010	—,004	5	—12 29 28,27	,988	, 134	+,02
10,565	Pegasi 6	5	44 55,31	2,948	+, 005	+,001	5	+15 58 2,51	,992	, 127	—,08
10,566	Cephei e 5	1	44 57,01	2,301	+, 003	——	5	+60 49 14,38	,993	, 094	——
10,567	Aquarii 8	5	45 11,62	3,113	—, 005	+,029	4	— 5 31 58,35	,999	, 133	—,01
10,568	255 Pegasi 7	3	45 15,85	2,861	+, 009	+,009	4	+26 6 12,88	19,001	, 121	—,09
10,569	246 Aquarii 7	3	45 24,90	3,170	—, 011	+,012	3	—13 3 51,40	,006	, 134	—,09
10,570	Gruis 7	3	45 37,31	3,568	—, 047	——	3	—49 22 13,74	,012	, 152	——
10,571	Gruis r^2 7	2	45 37,79	3,568	—, 047	——	2	—49 20 38,74	,012	, 152	——
10,572	76 Aquarii δ 3	7	45 53,32	3,199	—, 014	+,004	7	—16 41 47,20	,019	, 133	—,12
10,573	78 —— 6	5	45 58,72	3,131	—, 008	+,009	5	— 8 4 45,21	,021	, 131	—,05
10,574	77 —— 6	5	46 1,42	3,202	—, 014	—,004	5	—17 8 42,64	,023	, 134	—,20
10,575	Gruis 7.8	3	46 7,20	3,568	—, 047	——	3	—49 34 56,29	,025	, 154	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
	"		h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,576	1 Piscium 6	6	22 46 32,98	+3,070	—,00008	+,007	5	+ 0 11 15,01	19,037	+,00132	—0,04
10,577	Aquarii M¹ 7	6	46 37,43	3,114	—, 016	+,009	6	— 5 51 53,42	,039	, 131	—,02
10,578	Piscis Aust. o 5.6	3	46 47,53	3,348	—, 025	+,008	4	—33 25 8,38	,044	, 143	—,02
10,579	50 Pegasi ρ 5.6	9	46 55,53	3,013	+, 001	+,024	6	+ 7 56 16,29	,048	, 130	—,02
10,580	246 Cephei 6	6	47 55,66	0,021	—, 210	+,078	6	+82 16 41,86	,075	, 011	+,09
10,581	24 Piscis Aust. α 1	49	48 30,95	3,313	—, 023	+,026	100	—30 29 39,26	,090	, 139	—,15
10,582	Aquarii 7.8	3	48 44,55	3,112	—, 006	,000	4	— 5 41 25,20	,097	, 129	—,11
10,583	41 Androm. 6	3	48 52,41	2,719	+, 018	+,011	4	+40 43 28,80	,100	, 118	—,01
10,584	51 Pegasi 6	5	49 21,91	2,924	+, 007	+,036	6	+19 53 9,12	,113	, 122	—,01
10,585	Piscis Aust. k 7	6	49 22,90	3,370	—, 028	+,011	7	—36 23 56,81	,113	, 140	—,17
10,586	Aquarii 9	4	49 58,16	3,109	—, 005	+,014	3	— 5 23 0,49	,129	, 126	—,05
10,587	Androm. 8	3	50 0,09	2,751	+, 017	—,006	4	+38 50 28,19	,130	, 112	—,00
10,588	44 ——— 6.7	3	50 4,55	2,752	+, 017	+,013	5	+38 25 42,43	,132	, 112	—,16
10,589	Pegasi 7.8	1	50 23,79	3,026	, 000	+,008	2	+ 6 27 41,49	,140	, 125	—,17
10,590	69 Piscis Aust. 6	6	50 33,81	3,305	—, 023	+,018	6	—30 20 41,69	,144	, 133	—,04
10,591	Cephei 8	4	50 53,50	—0,646	—, 383	,000	3	+83 54 1,76	,158	—,00037	+,01
10,592	Tucanæ 7.8	6	50 54,22	+3,740	—, 071	—0,41	6	—59 19 13,61	,158	+,00153	—,01
10,593	257 Aquarii 6.7	3	50 54,40	3,170	—, 016	+,020	4	—13 57 11,20	,153	, 127	—,05
10,594	52 Pegasi 6	6	50 56,76	2,995	+, 003	+,007	5	+10 50 54,86	,154	, 122	—,10
10,595	2 Piscium x¹ 6.7	6	51 0,29	3,071	—, 003	+,019	6	+ 0 5 1,88	,156	, 125	—,10
10,596	Gruis ζ 5	5	51 6,16	3,609	—, 057	———	5	—53 38 11,44	,159	, 148	—,08
10,597	Aquarii S 5.6	3	51 9,40	3,264	—, 019	+,015	3	—26 2 35,51	,160	, 131	—,03
10,598	Gruis 7.8	3	51 17,79	3,539	—, 048	———	3	—49 49 30,56	,164	, 142	—,11
10,599	Aquarii 8	2	51 19,07	3,094	—, 004	+,010	3	— 2 19 22,89	,165	, 123	—,09
10,600	——— 8.9	3	51 20,76	3,272	—, 021	+,014	6	—27 1 46,23	,165	, 132	—,11
10,601	Gruis 6	3	51 23,69	3,573	—, 052	———	3	—51 50 0,37	,166	, 146	———
10,602	Aquarii 7.8	1	51 28,06	3,272	—, 021	+,023	1	—27 0 57,17	,168	, 132	—,18
10,603	Pegasi 7.8	4	51 28,39	3,026	, 000	+,012	5	+ 6 28 29,42	,168	, 122	—,16
10,604	260 Aquarii 6.7	3	51 42,75	3,139	—, 008	+,005	4	— 9 45 45,02	,175	, 124	—,10
10,605	Pegasi 8	5	51 46,80	3,026	, 000	+,009	3	+ 6 30 1,49	,177	, 121	—,08
10,606	Androm. 8	1	52 3,68	2,581	+, 022	+,006	3	+51 25 13,62	,184	, 103	+,01
10,607	3 Piscium x² 6	4	52 10,27	3,076	—, 003	+,007	7	— 0 41 53,88	,187	, 122	—,05
10,608	——— 7	6	52 18,64	3,057	—, 002	+,016	4	+ 2 7 55,59	,190	, 121	—,18
10,609	Aquarii 8	2	52 30,09	3,241	—, 017	+,029	3	—23 40 26,01	,194	, 128	—,06
10,610	81 ——— 6	7	52 49,09	3,125	—, 008	+,009	6	— 7 56 42,11	,202	, 221	—,12
10,611	263 Aquarii 7	3	52 59,12	3,109	—, 005	+,005	4	— 5 35 47,95	,207	, 121	—,04
10,612	Piscium 7	6	53 19,56	3,053	—, 001	———	6	+ 2 38 54,82	,215	120	———
10,613	82 Aquarii 6	5	53 58,53	3,121	—, 007	+,004	5	— 7 27 27,55	,232	, 119	—,12
10,614	Tucanæ 7.8	5	54 5,29	3,646	—, 065	———	6	—56 34 55,40	,234	, 144	———
10,615	1 Androm. o 4	10	54 20,67	2,737	+, 019	+,017	12	+41 26 26,74	,240	, 105	,00
10,616	Piscis Aust. π 5.6	6	54 20,84	3,342	—, 029	+,001	6	—35 38 22,58	,240	, 131	+,01
10,617	Pegasi 8	4	54 24,84	2,967	+, 004	+,013	4	+15 20 46,27	,242	, 114	—,11
10,618	Gruis 7	3	54 41,11	3,414	—, 035	———	3	—42 22 7,50	,249	, 130	———
10,619	280 Pegasi 8	3	54 41,47	2,917	+, 008	,000	4	+22 14 39,87	,249	, 111	—,19
10,620	54 Androm. 6	3	55 1,53	2,736	+, 019	+,027	3	+41 52 17,34	,257	, 103	—,05

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,621	Cephei T 6	5	22 55 26,09	—0,173	—,00282	+,124	7	+83 27 46,32	19,267	—,00017	+0,02
10,622	4 Piscium β 5	6	55 28,99	+3,052	—, 001	+,016	9	+ 2 56 0,91	,268	+,00116	—0,07
10,623	53 Pegasi β 2	2	55 46,89	2,881	+, 013	+,036	5	+27 11 19,43	,276	, 107	,00
10,624	54 ——— α 2	65	56 32,85	2,978	+, 004	+,013	88	+14 19 9,87	,293	, 110	— ,05
10,625	83 Aquarii h^1 6	8	56 33,45	3,126	—, 008	+,017	7	— 8 34 56,19	,293	, 116	— ,04
10,626	Aquarii h^2 7	3	56 43,53	3,126	—, 008	+,017	4	+ 8 38 35,81	,299	, 115	— ,11
10,627	Androm. 6	3	56 46,82	2,761	+, 019	+,008	2	+40 23 11,76	,299	, 101	— ,01
10,628	——— 6	5	56 47,59	2,650	+, 022	+,037	6	+49 9 21,64	,300	, 095	+ ,11
10,629	Cephei f 5	2	57 17,16	2,245	+, 026	———	5	+66 19 14,09	,312	, 080	———
10,630	85 Aquarii h^3 7	5	57 17,31	3,127	—, 008	+,003	4	— 8 49 32,35	,312	, 114	— ,15
10,631	290 Pegasi 7	3	57 20,50	2,981	+, 004	+,021	4	+14 4 14,33	,313	, 109	— ,08
10,632	Gruis θ 5	4	57 33,74	3,424	—, 037	+,003	4	—44 24 32,26	,318	, 127	— ,06
10,633	——— 7	2	57 36,80	3,507	—, 048	———	2	—50 29 47,49	,319	, 129	———
10,634	——— 7.8	3	57 40,81	3,524	—, 053	———	3	—51 34 31,26	,321	, 130	———
10,635	——— υ 6	3	57 41,06	3,370	—, 032	—,014	3	—39 46 56,66	,321	, 123	— ,07
10,636	86 Aquarii c^1 5.6	5	57 48,39	3,235	—, 018	+,011	5	—24 37 57,22	,324	, 118	— ,05
10,637	Pegasi 8	4	58 6,57	2,958	+, 006	+,024	4	+17 37 31,18	,331	, 110	+ ,01
10,638	——— 8	4	58 21,04	2,948	+, 006	+,029	4	+19 1 15,00	,337	, 107	— ,04
10,639	Aquarii h^4 7.8	1	58 37,13	3,125	—, 008	+,021	4	— 8 35 56,21	,344	, 111	— ,09
10,640	55 Pegasi l 5	3	58 41,78	3,018	+, 002	+,006	10	+ 8 31 10,54	,345	, 107	— ,14
10,641	56 Pegasi h 4.5	6	59 4,99	2,910	+, 010	+,002	10	+24 35 45,29	,354	, 004	— ,13
10,642	Aquarii 6	12	59 24,85	3,270	—, 023	+,015	10	—29 42 47,63	,362	, 117	— ,05
10,643	Pegasi 7	3	59 34,94	2,854	+, 015	—,002	4	+31 56 1,36	,366	, 099	— ,10
10,644	Cephei e 6	3	59 39,97	2,502	+, 027	+,032	3	+58 31 44,61	,368	, 085	— ,02
10,645	Aquarii 8.9	4	59 51,32	3,132	—, 008	+,018	4	— 9 53 59,59	,372	, 109	— ,10
10,646	Pegasi 8	4	59 55,98	2,881	+, 013	+,008	3	+28 48 4,88	,374	, 099	— ,06
10,647	65 Androm. 6	2	23 0 7,84	2,720	+, 021	+,017	4	+45 29 48,12	,378	, 092	— ,09
10,648	5 Piscium A 6	5	0 14,01	3,064	—, 002	+,023	4	+ 1 13 54,42	,381	, 108	+ ,09
10,649	66 Androm. 6.7	2	0 16,91	2,683	+, 022	+,017	4	+48 23 51,69	,382	, 091	+ ,07
10,650	88 Aquarii c^2 4.5	8	0 38,49	3,210	—, 016	+,007	5	—22 3 57,97	,389	, 110	— ,04
10,651	94 Gruis 6	5	0 46,43	3,398	—, 038	—,021	7	—43 45 9,97	,392	, 118	— ,25
10,652	Piscis Aust. 6.7	3	0 49,39	3,260	—, 022	———	3	—28 58 53,59	,393	, 113	———
10,653	13 Piscium 7	2	0 56,78	3,064	—, 002	+,005	3	+ 1 15 3,37	,396	, 106	— ,08
10,654	Gruis b 6	11	0 57,17	3,372	—, 033	+,006	9	—41 28 57,28	,396	, 117	— ,05
10,655	——— ι 5	9	0 59,44	3,425	—, 041	———	14	—46 8 18,48	,397	, 119	———
10,656	Gruis 8	3	1 3,67	3,395	—, 037	———	3	—43 38 48,49	,398	, 118	———
10,657	89 Aquarii c^3 5	1	1 5,56	3,218	—, 016	+,007	5	—23 21 1,31	,399	, 110	— ,09
10,658	262 Cephei 7	2	1 10,66	1,831	+, 019	—,013	3	+74 41 23,79	,401	, 058	+ ,02
10,659	57 Pegasi m 5.6	5	1 11,96	3,025	+, 001	+,001	5	+ 7 47 3,63	,401	, 104	— ,09
10,660	——— 7.8	2	1 34,29	2,886	+, 013	+,013	3	+28 46 33,37	,409	, 096	— ,05
10,661	303 Pegasi 6	6	1 43,23	3,018	+, 002	+,010	2	+ 8 55 47,11	,412	, 102	— ,01
10,662	282 Aquarii 7	2	2 6,89	3,111	—, 007	+,005	3	— 6 51 12,75	,421	, 105	+ ,06
10,663	Pegasi 8.9	3	2 21,61	3,021	+, 002	+,019	3	+ 8 53 15,05	,426	, 102	— ,01
10,664	305 ——— 7	3	2 31,13	2,971	+, 006	+,009	4	+16 42 7,01	,430	, 100	— ,05
10,665	33 Cephei π 5	2	2 39,95	1,878	+, 019	+,003	5	+74 29 45,99	,434	, 058	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,666	216 Cephei 6	3	23 2 42,51	+2,532	+,00028	+,025	4	+58 26 21,39	19,434	+,00080	+0,03
10,667	72 Androm. 6.7	2	2 50,65	2,767	+, 021	—,011	4	+42 39 32,77	,437	, 088	— ,16
10,668	Piscium 7.8	2	2 51,07	3,047	, 000	+,005	4	+ 4 6 36,56	,438	, 101	,00
10,669	Gruis 7.8	5	3 19,22	3,530	—, 058	——	6	—55 4 55,19	,448	, 120	——
10,670	59 Pegasi p 5.6	4	3 24,58	3,026	+, 001	+,001	4	+ 7 49 32,40	,449	, 100	— ,07
10,671	60 Pegasi 6	6	3 49,24	2,913	+, 011	+,019	5	+25 57 26,89	,458	, 093	— ,22
10,672	Gruis 7.8	3	3 49,53	3,465	—, 048	——	3	—50 30 50,43	,458	, 115	——
10,673	Aquarii 8.9	3	3 52,57	3,065	—, 002	+,021	3	+ 1 7 9,00	,459	, 100	— ,07
10,674	Gruis 7.8	3	4 22,29	3,359	—, 034	——	3	—41 49 55,35	,469	, 109	——
10,675	Aquarii 7.8	4	4 22,57	3,130	—, 008	+,012	4	—10 27 56,82	,469	, 102	+ ,04
10,676	7 Androm. u 5	6	5 0,51	2,712	+, 024	+,019	11	+48 30 19,92	,483	, 083	+ ,05
10,677	Piscium 8.9	3	5 8,21	3,036	, 000	+,020	4	+ 6 17 4,02	,486	, 097	— ,05
10,678	——— C 7.8	3	5 15,43	3,064	—, 002	+,015	4	+ 1 18 19,28	,488	, 098	— ,04
10,679	——— 7	3	5 37,50	3,090	—, 004	+,015	4	— 8 31 51,46	,495	, 097	— ,12
10,680	Aquarii 8	2	5 39,38	3,245	—, 021	+,019	4	—29 21 18,15	,496	, 105	— ,01
10,681	Tucanæ 6.7	3	5 42,96	3,559	—, 065	——	3	—57 35 15,35	,498	, 113	——
10,682	90 Aquarii φ 5	12	5 46,58	3,109	—, 007	+,010	5	— 6 56 12,29	,500	, 095	— ,20
10,683	97 Gruis 6.7	4	5 48,38	3,350	—, 035	+,025	6	—41 59 52,40	,500	, 107	— ,20
10,684	Pegasi 7.8	3	5 48,73	2,966	+, 007	+,008	4	+18 44 14,90	,501	, 091	— ,04
10,685	Tucanæ 7	3	6 49,34	3,534	—, 060	——	3	—56 25 30,82	,520	, 109	——
10,686	Piscium 8	4	7 11,96	3,069	—, 002	+,014	4	+ 0 24 41,79	,528	, 094	— ,11
10,687	91 Aquarii ψ¹ 5.6	10	7 14,54	3,125	—, 008	+,025	4	— 9 59 6,41	,529	, 096	— ,08
10,688	315 Pegasi 8	3	7 18,19	2,930	+, 010	+,012	4	+24 46 25,61	,530	, 088	+ ,04
10,689	Gruis 7	3	7 43,01	3,344	—, 034	+,014	4	—42 5 39,25	,538	, 101	— ,06
10,690	61 Pegasi 6	5	7 43,50	2,915	+, 012	+,014	5	+27 20 58,71	,538	, 085	— ,06
10,691	Tucanæ γ 4	12	7 45,30	3,577	—, 068	——	14	—59 8 20.30	,539	, 108	——
10,692	Aquarii 8	2	7 47,52	3,242	—, 022	+,033	4	—29 34 57,06	,540	, 098	— ,14
10,693	Pegasi 6	1	8 1,03	2,916	+, 012	+,008	1	+27 19 39,72	,544	, 085	— ,13
10,694	79 Gruis 7	5	8 16,47	3,239	—, 021	+,011	5	—29 19 58,93	,549	, 098	— ,09
10,695	92 Aquarii χ 5.6	10	8 17,65	3,116	—, 008	—,003	4	— 8 37 29,10	,550	, 094	— ,11
10,696	6 Piscium γ 4.5	12	8 36,78	3,059	—, 001	+,054	16	+ 2 22 55,89	,556	, 090	— ,02
10,697	Tucanæ 8	3	8 53,40	3,567	—, 068	——	3	—59 11 57,00	,562	, 107	——
10,698	Pegasi 8	3	8 55,40	2,979	+, 006	+,019	4	+17 21 38,95	,562	, 087	— ,13
10,699	Gruis φ 6	9	9 2,54	3,334	—, 034	+,030	10	—41 43 8,54	,564	, 098	— ,19
10,700	93 Aquarii ψ² 5	7	9 19,62	3,123	—, 008	+,003	4	—10 4 54,98	,569	, 091	— ,07
10,701	Pegasi N 6.7	4	9 25,40	2,979	+, 006	+,006	4	+17 24 22,54	,571	, 087	— ,06
10,702	Gruis 7.8	6	9 30,67	3,399	—, 143	——	7	—48 20 8,86	,573	, 099	——
10,703	Piscis Aust. 7.8	5	9 37,97	3,235	—, 021	+,034	5	—29 22 30,25	,575	, 094	— ,03
10,704	App. Sculp γ 5	12	9 54,17	3,262	—, 025	+,004	12	—33 25 45,80	,581	, 095	— ,05
10,705	8 Androm 5	3	10 6,82	2,749	+, 024	+,014	5	+48 6 52,22	,584	, 073	+ ,01
10,706	Pegasi 8	3	10 10,49	2,926	+, 012	+,014	4	+26 42 3,40	,585	, 082	— ,13
10,707	Piscis Aust. 7	2	10 12,37	3,233	—, 021	+,008	4	—29 17 22,16	,586	, 094	,00
10,708	95 Aquarii ψ³ 5	11	10 22,51	3,124	—, 009	+,008	5	—10 30 41,58	,589	, 089	— ,10
10,709	Pegasi 7.8	4	10 24,55	2,927	+, 012	,000	5	+26 42 19,99	,590	, 082	— ,10
10,710	Aquarii 9	6	10 25,49	3,144	—, 011	+,041	4	—14 21 5,59	,590	, 090	— ,03

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,711	94 Aquarii Z 6	5	23 10 25,76	+3,144	—,00011	+,028	6	—14 21 19,19	19,591	+,00090	—0,22
10,712	Piscium 8	5	10 26,29	3,048	, 000	+,054	4	+ 4 30 34,04	,591	, 088	— ,17
10,713	88 Androm. 6	3	10 34,78	2,823	+, 020	+,007	4	+40 52 24,78	,593	, 075	— ,05
10,714	Gruis 7.8	3	10 47,85	3,392	—, 042	——	3	—48 26 29,58	,596	, 097	——
10,715	96 Aquarii 6	10	10 50,61	3,101	—, 006	+,022	5	— 6 1 27,94	,598	, 088	+ ,02
10,716	Pegasi 7	3	11 27,80	2,875	+, 017	+,013	3	+34 55 25,66	,610	, 076	— ,05
10,717	Gruis 6.7	2	11 31,90	3,420	—, 047	——	2	—51 12 17,76	,611	, 096	——
10,718	Pegasi 7	2	11 32,46	2,952	+, 009	+,015	3	+22 55 30,87	,611	, 076	— ,13
10,719	91 Androm. 6	3	11 49,86	2,764	+, 025	+,018	4	+47 43 15,92	,617	, 070	+ ,04
10,720	Cephei o 6	3	11 52,36	2,408	+, 035	+,014	3	+67 12 34,24	,618	, 058	— ,03
10,721	7 Piscium b 6	6	11 56,34	3,049	, 000	+,015	7	+ 4 28 55,91	,619	, 085	— ,03
10,722	93 Androm. 7	7	11 57,95	2,768	+, 025	+,034	6	+47 28 39,59	,619	, 069	+ ,05
10,723	92 —— 7	3	12 2,19	2,828	+, 020	+,009	4	+41 10 33,14	,621	, 072	+ ,03
10,724	Aquarii 7	5	12 10,46	3,104	—, 007	——	5	— 6 48 26,53	,623	, 086	——
10,725	Androm. 7.8	3	12 10,83	2,832	+, 020	+,016	3	+40 51 10,11	,623	, 072	— ,02
10,726	Aquarii T 6	5	12 27,53	3,217	—, 020	+,005	5	—27 53 19,15	,629	, 089	— ,13
10,727	62 Pegasi r 5	10	12 28,78	2,955	+, 010	+,013	7	+22 50 18,85	,629	, 078	— ,07
10,728	337 —— 7	3	12 42,48	2,991	+, 005	+,022	4	+16 20 56,07	,632	, 080	— ,01
10,729	338 —— 6	3	12 45,55	2,916	+, 014	+,021	4	+29 30 56,26	,633	, 075	— ,07
10,730	94 Androm. 6	3	12 56,62	2,863	+, 018	+,031	4	+37 16 56,24	,637	, 071	— ,19
10,731	Pegasi 7.8	3	13 52,15	2,942	+, 012	+,006	4	+25 42 32,54	,654	, 075	— ,09
10,732	343 —— 6	3	13 52,33	2,911	+, 015	+,006	4	+30 54 34,60	,654	, 072	— ,17
10,733	Tucanæ 7	6	13 57,02	3,474	—, 058	——	5	—56 27 24,49	,655	, 092	——
10,734	97 Aquarii 6	5	14 0,03	3,147	—, 011	+,024	6	—15 56 38,24	,656	, 084	— ,06
10,735	Gruis 7	3	14 16,55	3,314	—, 034	——	3	—42 30 20,75	,661	, 089	——
10,736	98 Aquarii b' 5	6	14 17,96	3,173	—, 015	+,006	5	—21 0 0,36	,661	, 085	— ,11
10,737	—— 8.9	3	14 25,31	3,126	—, 009	+,031	4	—11 40 46,92	,664	, 083	+ ,18
10,738	65 Pegasi 6	7	14 28,16	2,975	+, 008	+,004	5	+19 55 33,02	,664	, 075	— ,05
10,739	Gruis 7.8	3	14 30,95	3,443	—, 056	——	3	—54 43 4,41	,665	, 091	——
10,740	110 —— 6.7	9	14 41,20	3,325	—, 036	+,003	11	—44 1 44,40	,668	, 087	— ,07
10,741	66 Pegasi 6	6	14 45,63	3,018	+, 003	+,013	6	+11 24 39,52	,669	, 077	— ,13
10,742	Gruis 6.7	3	14 56,44	3,415	—, 053	——	3	—52 47 38,99	,672	, 089	——
10,743	Piscium 6.7	5	15 4,14	3,074	—, 003	+,012	5	— 0 36 47,40	,674	, 079	,00
10,744	322 Aquarii 7	3	15 12,36	3,114	—, 008	—,002	4	— 9 21 49,69	,676	, 080	— ,11
10,745	—— 6	5	15 22,24	3,179	—, 016	+,013	6	—22 40 31,41	,679	, 083	— ,11
10,746	App. Sculp. 7.8	3	15 30,61	3,273	—, 028	——	3	—68 6 18,43	,682	, 085	——
10,747	Pegasi 9	4	15 41,73	2,913	+, 015	+,027	4	+31 37 29,41	,684	, 069	— ,08
10,748	Tucanæ 5.6	5	15 52,27	3,476	—, 064	——	6	—57 45 10,74	,687	, 088	——
10,749	Piscium 8	4	15 58,46	3,047	, 000	+,013	4	+ 5 16 52,34	,689	, 076	+ ,08
10,750	97 Androm. 7	3	16 3,32	2,731	+, 028	+,008	4	+53 7 34,19	,691	, 059	,00
10,751	Pegasi 9	3	16 35,29	2,966	+, 009	+,013	3	+22 34 28,78	,700	, 070	+ ,01
10,752	352 —— 6	3	16 47,59	2,918	+, 015	+,030	4	+31 28 45,41	,704	, 067	— ,01
10,753	68 —— v 5	6	17 9,25	2,968	+, 009	+,027	5	+22 29 48,24	,709	, 070	— ,01
10,754	Aquarii 8	1	17 12,57	3,169	—, 016	+,017	4	—21 30 47,37	,710	, 079	— ,11
10,755	Gruis 6	3	17 20,56	3,407	—, 057	——	3	—53 38 1,66	,713	, 082	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	$d\alpha$	$d^2\alpha$	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	$d\delta$	$d^2\delta$	Annual P. M.
			h. m. s.	s.	s	s		° ′ ″	″ +	″	″
10,756	99 Aquarii b^2 5	5	23 17 22,30	+3,169	—,00014	+,008	5	—21 32 42,97	19,713	+,00076	—0,05
10,757	4 Cassiopeiæ d 5	2	17 32,23	2,620	+, 037	+,015	11	+61 22 39,62	,715	, 061	+ ,03
10,758	Aquarii 8	5	17 44,39	3,131	—, 008	+,015	4	—13 51 24,09	,719	, 072	— ,03
10,759	Tucanæ 6.7	3	17 47,43	3,485	—, 065	——	3	—59 23 9,16	,720	, 081	——
10,760	Aquarii 8.9	4	17 49,89	3,170	—, 014	+,007	4	—22 5 48,79	,720	, 074	— ,11
10,761	Apuarii 6	6	17 53,24	3,173	—, 014	+,012	5	—22 38 49,24	,721	, 074	,00
10,762	Gruis 6.7	4	17 58,46	3,373	—, 046	——	4	—51 3 50,60	,723	, 078	——
10,763	—— 8	3	17 59,19	3,374	—, 046	——	3	—51 11 3,37	,723	, 078	——
10,764	8 Piscium κ^1 5.6	13	18 28,57	3,070	—, 001	+,027	12	+ 0 21 12,44	,723	, 070	— ,18
10,765	Androm. 7.8	3	18 40,85	2,761	+, 030	+,009	4	+52 15 36,90	,731	, 054	— ,07
10,766	9 Piscium κ^2 6	5	18 47,74	3,070	—, 001	+,008	4	+ 0 13 2,64	,734	, 069	— ,13
10,767	Aquarii 8.9	4	18 51,16	3,130	—, 009	+,008	3	—13 50 8,03	,736	, 071	— ,06
10,768	Cephei 8	3	19 5,23	2,719	+, 031	—,008	4	+55 58 23,41	,737	, 052	+ ,16
10,769	App. Sculp. 6.7	3	19 8,51	3,246	—, 026	+,004	4	—36 27 5,64	,740	, 074	+ ,08
10,770	103 Androm. 6.7	3	19 11,28	2,858	+, 021	+,011	4	+42 0 15,37	,741	, 058	,00
10,771	69 Pegasi 6	5	19 29,13	2,965	+, 012	+,018	5	+24 15 42,28	,746	, 064	— ,08
10,772	Aquarii 6.7	3	19 30,04	3,122	—, 008	+,013	4	—12 21 21,38	,746	, 069	— ,03
10,773	10 Piscium θ 5	9	19 36,07	3,049	+, 002	+,003	8	+ 5 28 25,10	,748	, 066	— ,03
10,774	Gruis 7.8	4	19 41,12	3,363	—, 046	——	4	—51 15 1,51	,749	, 074	——
10,775	Piscium 8.9	4	19 52,44	3,050	+, 002	+,013	6	+ 5 10 5,31	,751	, 066	— ,09
10,776	Phœnicis 6.7	6	19 59,59	3,306	—, 047	——	7	—45 24 19,01	,753	, 073	——
10,777	Gruis 7.8	3	20 2,10	3,407	—, 054	——	3	—55 24 34,46	,754	, 075	——
10,778	Cephei s 5	5	20 20,35	2,457	+, 053	——	5	+69 27 9,33	,759	, 053	——
10,779	70 Pegasi q 5	1	20 48,84	3,023	+, 004	+,011	5	+11 51 3,26	,766	, 063	— ,11
10,780	11 Piscium w^1 6.7	6	20 58,91	3,082	—, 002	+,013	6	— 2 41 55,16	,769	, 065	— ,10
10,781	Piscium 7	8	21 0,31	3,092	—, 004	+,022	8	— 5 25 50,55	,769	, 066	— ,19
10,782	12 —— w^2 7	7	21 2,72	3,078	—, 002	+,011	5	— 1 56 35,34	,770	, 065	— ,08
10,783	Piscium 8	6	21 8,81	3,051	+, 002	+,024	6	+ 5 11 43,88	,771	, 064	— ,09
10,784	Gruis 8	7	21 38,65	3,278	—, 034	+,026	7	—42 53 37,96	,778	, 069	— ,14
10,785	Cephei 7	2	22 17,12	2,725	+, 033	+,018	4	+57 38 23,72	,778	, 056	+ ,03
10,786	Cassiopeæ 5	4	22 26,47	2,727	+, 033	+,017	5	+57 38 24,44	,789	, 046	+ ,04
10,787	Phœnicis 6.7	3	22 27,79	3,295	—, 038	——	3	—45 45 8,83	,790	, 069	——
10,788	118 Gruis 7.8	6	22 56,69	3,269	—, 034	+,003	7	—42 39 43,03	,796	, 067	— ,04
10,789	342 Aquarii 6.7	5	22 59,97	3,090	—, 003	+,010	6	— 4 59 17,99	,797	, 062	— ,26
10,790	—— b^3 6	3	23 2,62	3,159	—, 015	+,004	4	—22 16 43,15	,798	, 065	— ,03
10,791	343 Aquarii 7	3	23 9,58	3,158	—, 015	+,007	3	—22 9 30,94	,799	, 065	— ,10
10,792	105 Androm. 6	3	23 11,58	2,902	+, 020	+,031	4	+38 19 49,66	,800	, 053	— ,06
10,793	345 Aquarii 7	3	23 17,14	3,120	—, 008	—,003	4	—12 51 28,57	,801	, 063	— ,02
10,794	13 Piscium w^3 7	4	23 29,74	3,078	—, 002	+,015	5	— 1 59 47,49	,804	, 061	— ,06
10,795	Aquarii 7	7	23 39,01	3,118	—, 008	—,004	5	—12 27 12,75	,806	, 061	— ,05
10,796	Androm. 8	5	23 53,10	2,874	+, 023	+,014	5	+43 9 43,93	,809	, 049	,00
10,797	App. Sculp. 5.6	6	24 6,40	3,238	—, 028	+,011	9	—38 43 45,84	,813	, 064	— ,10
10,798	106 Androm. 7	3	24 6,97	2,735	+, 034	+,014	4	+58 10 57,11	,813	, 043	— ,02
10,799	Pegasi 8.9	4	24 22,83	2,949	+, 015	+,028	4	+30 32 5,10	,816	, 054	+ ,04
10,800	101 Aquarii b^4 5	6	24 38,17	3,153	—, 014	+,004	5	—21 49 32,84	,820	, 061	— ,07

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	dα	d²α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	dδ	d²δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,801	71 Pegasi y 5	5	23 25 12,97	+2,991	+,00010	+,012	6	+21 35 21,42	19,828	+,00057	—0,18
10,802	14 Piscium w⁴ 6.7	4	25 40,06	3,078	—, 002	+,010	4	— 2 9 28,70	,834	, 059	— ,10
10,803	337 Pegasi 5.6	3	25 46,72	2,954	+, 018	+,008	4	+30 24 54,70	,835	, 056	— ,05
10,804	Tucanæ 7.8	3	25 52,54	3,385	—, 058	——	3	—57 44 9,23	,836	, 065	——
10,805	Phœnicis 7	3	25 56,68	3,260	—, 033	——	3	—43 35 44,27	,837	, 062	——
10,806	Piscium 8.9	4	25 57,47	3,067	—, 001	+,026	4	+ 1 5 32,25	,837	, 059	+ ,08
10,807	Phœnicis 7.8	2	25 57,99	3,259	—, 034	+,025	4	—43 35 41,66	,838	, 063	— ,16
10,808	109 Androm. 7.8	4	25 58,06	2,887	+, 026	+,001	4	+42 59 33,91	,838	, 052	,00
10,809	Phœnicis ι 5	8	26 10,46	3,258	—, 034	—,004	5	—43 31 34,36	,840	, 063	+ ,16
10,810	350 Aquarii 6.7	3	26 13,96	3,128	—, 010	+,012	4	—16 9 11,56	,840	, 061	— ,09
10,811	374 Pegasi 6	3	26 29,35	2,946	+, 018	—,003	4	+32 35 5,68	,844	, 054	,00
10,812	Aquarii 8	4	26 33,14	3,100	—, 006	+,010	4	— 8 35 20,19	,845	, 060	+ ,07
10,813	110 Androm. 6	3	26 34,34	2,912	+, 025	—,001	4	+39 19 37,86	,845	, 052	— ,06
10,814	App. Sculp. 8	6	26 58,50	3,231	—, 029	——	6	—39 51 52,88	,850	, 062	——
10,815	Aquarii 6.7	6	27 1,40	3,099	—, 006	+,012	3	— 8 22 35,95	,850	, 059	+ ,02
10,816	15 Piscium 7	5	27 2,68	3,070	—, 001	+,011	5	+ 0 24 9,50	,850	, 058	+ ,05
10,817	Ceti 8	2	27 7,49	3,127	—, 012	+,013	4	—16 12 31,16	,851	, 060	— ,05
10,818	Aquarii 8.9	3	27 16,10	3,093	—, 006	—,011	4	— 6 39 36,96	,853	, 058	+ ,02
10,819	——— 6	6	27 29,15	3,171	—, 019	+,006	5	—27 47 18,22	,856	, 060	— ,22
10,820	Cephei V 6	5	27 43,89	0,091	—, 455	+,134	9	+86 23 49,54	,859	—,00008	+ ,07
10,821	16 Piscium 6	6	27 58,27	3,067	—, 001	—,003	5	+ 1 11 15,10	,862	+,00057	— ,05
10,822	Ceti 8	3	28 1,01	3,162	—, 019	+,024	4	—26 9 5,13	,862	, 060	+ ,06
10,823	Phœnicis 6	10	28 56,66	3,261	—, 036	——	7	—46 24 14,63	,873	, 058	——
10,824	——— 7.8	3	28 57,67	3,261	—, 036	——	7	—46 28 50,68	,873	, 058	——
10,825	Aquarii 6	4	29 6,17	3,116	—, 009	+,014	5	—13 58 27,13	,875	, 057	— ,05
10,826	Gruis 7.8	2	29 13,34	3,235	—, 034	——	2	—42 28 40,92	,877	, 058	——
10,827	384 Pegasi 7	3	29 18,80	3,020	+, 008	+,016	4	+15 54 45,88	,878	, 054	— ,08
10,828	Piscium 8	4	29 23,04	3,063	, 000	—,001	4	+ 2 27 32,72	,879	, 055	,00
10,829	Aquarii 7	4	29 28,19	3,122	—, 010	—,002	4	—16 0 11,15	,880	, 057	— ,20
10,830	16 Androm. λ 4.5	9	29 30,58	2,890	+, 027	+,030	11	+45 33 53,58	,880	, 048	— ,49
10,831	75 Pegasi s 6	5	29 37,50	3,015	+, 007	+,015	5	+17 29 14,21	,881	, 052	+ ,09
10,832	Androm. 8	4	30 0,30	2,913	+, 025	+,035	4	+42 9 54,61	,886	, 048	— ,04
10,833	Phœnicis 6.7	3	30 2,62	3,255	—, 036	——	3	—46 31 27,30	,886	, 056	——
10,834	17 Androm. ι 5	3	30 3,90	2,912	+, 025	+,008	4	+42 21 18,27	,887	, 047	,00
10,835	Aquarii 8	3	30 5,48	3,141	—, 014	+,019	4	—21 46 50,86	,887	, 056	— ,10
10,836	Phœnicis θ 5	13	30 34,97	3,258	—, 037	——	8	—47 33 10,01	,892	, 055	——
10,837	120 Androm. 6	4	31 10,05	2,874	+, 031	+,011	4	+49 33 30,08	,899	, 044	— ,06
10,838	102 Aquarii ω¹ 5	8	31 13,39	3,116	—, 010	+,009	8	—15 8 1,45	,900	, 054	— ,14
10,839	17 Piscium ι 4.5	14	31 27,88	3,057	—, 001	+,003	11	+ 4 43 57,97	,902	, 052	— ,46
10,840	390 Pegasi 6.7	3	31 30,90	3,045	+, 003	+,017	4	+ 8 45 50,75	,903	, 051	— ,05
10,841	Piscium 8	5	31 52,98	3,060	—, 001	+,014	4	+ 3 53 30,99	,907	, 051	— ,05
10,842	App. Sculp. 6	7	31 58,10	3,177	—, 022	—,008	6	—32 59 4,86	,908	, 053	— ,08
10,843	Aquarii 8	6	31 59,42	3,130	—, 013	+,029	7	—19 54 2,04	,908	, 051	— ,09
10,844	1 Messoris 6.7	6	32 12,72	2,539	+, 065	+,035	9	+73 5 19,46	,909	, 035	+ ,02
10,845	19 Androm. κ 5	3	32 18,06	2,918	+, 026	+,010	5	+43 25 15,50	,912	, 044	,00

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,846	App. Sculp. 7	2	23 32 25,90	+3,175	—, 022	+,003	4	—32 57 10,61	19,913	+, 046	
10,847	—— —— 7.8	3	32 26,27	3,175	—, 022	——	3	—32 59 13,17	,913	, 046	——
10,848	Aquarii 6	5	32 36,50	3,107	—, 007	+,014	5	—12 35 41,01	,915	, 046	—0,02
10,849	35 Cephei γ 3	7	32 38,03	2,397	+, 072	+,004	5	+76 42 41,84	,915	, 036	+ ,17
10,850	103 Aquarii A¹ 5	2	33 0,87	3,125	—, 011	+,009	6	—18 56 17,68	,919	, 044	— ,18
10,851	Phœnicis 7.8	3	33 10,08	3,218	—, 032	——	3	—43 10 52,33	,921	, 045	——
10,852	104 Aquarii A² 5	2	33 11,55	3,124	—, 011	+,008	7	— 8 43 51,40	,921	, 044	— ,06
10,853	Piscium 8	2	33 23,81	3,090	—, 005	+,007	3	— 6 53 41,39	,923	, 043	— ,10
10,854	18 —— λ 5	6	33 37,89	3,069	—, 001	—,002	5	+ 0 52 22,50	,925	, 040	— ,13
10,855	Androm. k 7	2	34 6,95	2,926	+, 026	+,016	4	+43 50 29,72	,930	, 035	— ,08
10,856	105 Aquarii ω² 5.6	4	34 9,86	3,113	—, 009	+,012	5	—15 27 23,79	,931	, 041	— ,13
10,857	—— 8	4	34 17,14	3,104	—, 008	+,005	4	—12 14 31,68	,932	, 041	— ,09
10,858	76 Pegasi 6	6	34 21,83	3,030	+, 007	+,030	5	+15 25 13,85	,933	, 039	— ,32
10,859	77 —— O 5.6	5	34 58,72	3,047	+, 004	+,008	4	+ 9 24 57,00	,939	, 039	— ,08
10,860	Phœnicis 7.8	3	35 6,34	3,223	—, 035	——	3	—46 22 29,17	,940	, 042	——
10,861	Cassiopeiæ 7.8	6	35 23,26	2,849	+, 040	+,059	7	+57 8 33,90	,942	, 029	+ ,47
10,862	106 Aquarii A³ 5	6	35 38,42	3,120	—, 011	+,012	5	—19 11 32,29	,945	, 040	— ,10
10,863	78 Pegasi i 5	6	35 42,27	2,994	+, 014	+,004	5	+28 26 54,83	,945	, 034	,00
10,864	Piscium 8	5	35 51,60	3,071	—, 001	+,005	9	— 0 12 4,44	,946	, 038	— ,14
10,865	App. Sculp. 7.8	4	35 53,44	3,143	—, 018	+,003	4	—27 9 39,90	,947	, 040	— ,04
10,866	Aquarii 8.9	2	36 12,30	3,094	—, 006	+,034	4	— 9 22 38,70	,950	, 033	— ,08
10,867	Piscium 7	7	36 24,00	3,056	+, 002	+,017	5	+ 6 16 37,85	,952	, 037	— ,02
10,868	Androm. 8	4	36 24,43	2,931	+, 026	—,001	1	+45 27 51,67	,952	, 031	— ,04
10,869	—— 8	3	36 32,78	2,933	+, 026	+,015	4	+45 20 58,58	,953	, 031	— ,03
10,870	126 —— 7	3	36 35,17	2,945	+, 025	+,012	4	+42 49 48,45	,953	, 030	— ,04
10,871	7 Cassiopeiæ 6.7	3	36 47,75	2,879	+, 037	+,031	4	+54 53 2,72	,955	, 028	— ,03
10,872	Aquarii 8.9	3	36 50,28	3,106	—, 009	+,013	3	—14 35 51,32	,955	, 035	— ,11
10,873	Gruis ω 6.7	6	37 18,02	3,186	—, 030	+,017	7	—14 5 47,27	,960	, 036	— ,15
10,874	107 Aquarii A⁴ 6	5	37 26,52	3,118	—, 012	+,020	5	—19 35 44,16	,961	, 035	+ ,01
10,875	Aquarii 8	4	37 28,67	3,105	—, 008	+,007	3	—14 22 9,41	,961	, 034	+ ,03
10,876	Piscium 8.9	3	37 33,46	3,072	—, 001	+,006	3	— 0 39 4,34	,962	, 033	— ,07
10,877	Aquarii 8	3	37 47,40	3,104	—, 008	+,004	2	—14 16 48,42	,964	, 032	— ,14
10,878	20 Androm. ψ 5	6	37 52,80	2,940	+, 028	—,016	6	+45 30 15,95	,965	, 029	— ,04
10,879	19 Piscium m 6	13	37 57,88	3,066	000	+,003	4	+ 2 34 20,91	,966	, 034	— ,06
10,880	—— 7.8	4	38 7,92	3,071	—, 001	—,009	4	— 0 23 4,08	,967	, 043	,00
10,881	Pegasi 7	2	38 7,97	3,004	+, 014	+,010	4	+27 47 16,20	,967	, 032	— ,08
10,882	Phœnicis σ 7	3	38 29,25	3,227	—, 042	——	3	—51 8 29,68	,970	, 035	——
10,883	Aquarii Y 6	7	38 46,12	3,099	—, 008	+,007	5	—12 49 22,29	,972	, 034	— ,07
10,884	Ceti 8.9	3	38 52,51	3,124	—, 015	+,002	3	—23 11 15,83	,973	, 034	— ,14
10,885	5 Cassiopeiæ r 5	4	39 1,59	2,877	+, 041	+,019	5	+57 43 59,25	,974	, 028	+ ,07
10,886	20 Piscium n 5.6	6	39 27,68	3,079	—, 001	+,016	5	— 3 40 42,56	,978	, 033	— ,08
10,887	375 Aquarii 7	3	39 58,60	3,113	—, 012	+,019	4	—19 48 0,83	,982	, 032	— ,07
10,888	—— 6.7	5	40 3,75	3,086	—, 005	+,004	6	— 7 17 43,54	,982	, 032	+ ,01
10,889	Draconis 5	3	40 4,24	2,799	+, 052	+,004	5	+66 53 22,30	,983	, 026	— ,04
10,890	App. Sculp. δ 5	9	40 19,52	3,135	—, 017	+,015	1	—29 2 31,95	,984	, 028	— ,12

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,891	48 Piscium 6.7	2	23 40 22,81	+3,068	—,00000	+,003	3	+ 1 17 57,88	19,984	+,00028	—0,11
10,892	306 Cephei 6	4	40 50,66	2,867	+, 045	+,026	4	+61 17 52,92	,988	, 023	+ ,05
10,893	Aquarii 8	5	40 53,48	3,117	—, 014	+,008	4	—22 31 52,13	,988	, 026	— ,02
10,894	378 ——— 7	3	41 0,16	3,104	—, 010	+,015	4	—16 46 36,36	,989	, 025	— ,06
10,895	21 Piscium 6	7	41 0,77	3,071	—, 001	+,005	5	+ 0 9 37,55	,989	, 025	— ,05
10,896	79 Pegasi 6	6	41 19,01	3,013	+, 015	+,018	5	+27 55 27,38	,991	, 023	— ,06
10,897	Aquarii 8.9	5	41 26,38	3,100	—, 009	+,018	4	—15 15 8,59	,992	, 025	— ,04
10,898	——— 6	3	41 43,92	3,091	—, 006	+,026	5	—10 53 42,24	,995	, 025	+ ,03
10,899	Phœnicis 7.8	3	41 49,62	3,210	—, 043	——	3	—52 37 5,00	,995	, 026	——
10,900	Cephei 8	3	41 51,62	2,878	+, 045	+,015	4	+61 17 48,70	,995	, 024	— ,01
10,901	Phœnicis 7.8	3	41 54,39	3,189	—, 036	——	3	—48 17 43,20	,996	, 021	——
10,902	Aquarii 8	2	41 56,59	3,10 0	—, 009	+,010	4	—15 29 50,56	,926	, 027	— ,07
10,903	——— 6	6	42 2,60	3,100	—, 009	+,026	5	—15 19 2,64	,996	, 027	— ,12
10,904	129 Androm. 7	2	42 9,56	2,944	+, 035	+,029	4	+50 42 18,13	,997	, 023	— ,05
10,905	12 Cassiopeiæ 7	3	42 29,46	2,934	+, 057	+,024	3	+53 16 56,01	,999	, 023	— ,08
10,906	50 Piscium 7	3	42 40,35	3,069	, 000	+,008	4	+ 1 19 13,60	20,001	, 024	— ,08
10,907	Gruis 7	3	42 48,40	3,163	—, 029	——	3	—42 41 22,22	,002	, 026	——
10,908	108 Aquarii A^s 6	5	42 49,81	3,107	—, 012	+,017	5	—19 49 36,01	,002	, 025	— ,05
10,909	80 Pegasi 7	5	42 56,43	3,056	+, 003	+,001	5	+ 8 23 56,61	,003	, 023	— ,12
10,910	App. Sculp. 7.8	4	43 3,17	3,142	—, 022	——	4	—35 36 28,22	,003	, 024	——
10,911	22 Piscium 6	5	43 31,31	3,068	, 000	+,011	5	+ 2 0 48,45	,006	, 022	— ,04
10,912	Aquarii 6	6	44 1,18	3,096	—, 009	—,001	6	—15 10 6,58	,009	, 023	— ,03
10,913	23 Piscium 6	5	44 1,41	3,036	+, 010	+,002	5	+20 45 13,18	,009	, 020	— ,19
10,914	81 Pegasi φ 6	4	44 6,08	3,040	+, 008	+,009	5	+18 12 15,52	,010	, 021	— ,05
10,915	82 ——— 6	6	44 12,69	3,055	+, 004	+,006	5	+10 1 47,25	,010	, 021	,00
10,916	83 Pegasi r 7	1	44 17,75	3,036	+, 010	+,009	4	+20 49 32,20	,010	, 020	— ,12
10,917	Phœnicis 7.8	6	44 26,00	3,202	—, 048	——	6	—55 17 4,57	,012	, 023	——
10,918	3 Messoris 6.7	6	44 26,54	2,741	+, 087	+,097	8	+74 37 28,71	,012	, 019	+ ,01
10,919	24 Piscium 6.7	7	44 27,14	3,077	—, 002	+,012	5	— 4 4 17,17	,012	, 022	— ,20
10,920	Pegasi 8.9	3	44 33,54	3,054	+, 004	+,005	4	+11 0 33,19	,012	, 020	+ ,05
10,921	Pegasi 8	3	44 34,80	3,054	+, 004	+,011	4	+11 0 29,20	,012	, 020	+ ,08
10,922	25 Piscium 6.7	5	44 37,98	3,069	, 000	+,016	5	+ 1 10 25,01	,013	, 020	— ,07
10,923	Androm 7.8	3	44 38,89	3,006	+, 021	—,004	4	+36 2 25,89	,013	, 019	— ,17
10,924	Phœnicis 7.8	3	44 44,16	3,176	—, 039	——	3	—49 51 10,65	,014	, 019	——
10,925	Piscium 8.9	3	44 46,01	3,064	+, 001	,000	4	+ 4 14 25,74	,014	, 020	+ ,01
10,926	387 Aquarii 6.7	3	44 48,51	3,113	—, 015	+,007	4	—25 8 46,74	,014	, 021	,00
10,927	Androm. 7	3	45 18,99	2,967	+, 035	—,001	4	+50 36 14,80	,017	, 019	,00
10,928	Pegasi 8	4	45 30,98	3,055	+, 004	+,014	4	+11 5 0,06	,018	, 019	+ ,09
10,929	App. Sculp. 7.8	3	45 49,58	3,115	—, 016	——	3	—27 57 39,90	,019	, 019	——
10,930	21 ——— 7	8	45 58,72	3,143	—, 028	+,052	11	—41 13 9,63	,020	, 019	+ ,01
10,931	ρ Cassiopeæ 5.6	3	46 10,11	2,949	+, 040	+,001	4	+56 34 52,63	,021	, 015	— ,05
10,932	Piscium 6.7	6	46 20,17	3,072	—, 001	+,002	5	— 0 48 28,68	,022	, 016	— ,01
10,933	26 ——— 6	11	46 41,62	3,063	+, 002	+,009	5	+ 6 9 13,48	,023	, 016	— ,06
10,934	App. Sculp. 7	3	46 44,23	3,121	—, 020	——	3	—32 48 9,05	,024	, 017	——
10,935	——— ——— ρ 6.7	3	46 44,25	3,121	—, 020	——	3	—32 50 23,49	,024	, 019	——

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	″ +	″	″
10,936	Phœnicis 7.8	3	23 46 46,87	+3,166	—,00039	——	3	—51 1 56,03	20,024	+,00019	——
10,937	Pegasi F 6.7	1	47 0,10	3,036	+, 013	+,005	4	+25 2 15,11	,025	, 015	—0,03
10,938	Piscium 8	6	47 8,15	3,068	+, 001	—,003	7	+ 2 35 47,76	,025	, 019	— ,02
10,939	Cassiopeiæ 6.7	3	47 15,29	2,977	+, 041	+,001	3	+51 48 57,91	,026	, 014	— ,02
10,940	——— 7	4	47 19,77	2,959	+, 043	+,021	4	+56 29 39,04	,026	, 014	— ,06
10,941	419 Pegasi 7	3	47 29,03	3,052	+, 007	+,010	4	+24 18 45,03	,027	, 015	— ,10
10,942	Sculptoris 8.9	7	48 0,44	3,112	—, 018	+,046	7	—80 25 35,82	,030	, 017	,00
10,943	Tucanæ 6	2	48 4,77	3,183	—, 052	——	2	—58 3 58,63	,030	, 017	——
10,944	Phœnicis 7.8	7	48 7,14	3,136	—, 029	——	7	—43 6 40,83	,030	, 017	——
10,945	Pegasi 7.8	2	48 17,71	3,044	+, 011	+,001	4	+21 43 49,15	,031	, 016	,00
10,946	Cassiopeiæ 7.8	2	48 39,03	2,977	+, 042	+,016	4	+54 55 19,78	,033	, 018	— ,02
10,947	16 ——— 6	3	48 51,79	2,979	+, 042	+,019	4	+54 47 15,93	,034	, 018	— ,01
10,948	Tucanæ η 5	8	48 52,30	3,212	—, 074	——	3	—65 13 27,75	,034	, 017	——
10,949	Pegasi 8	3	49 20,47	3,059	+, 005	+,009	4	+10 33 22,59	,036	, 014	— ,16
10,950	84 ——— ψ 5.6	5	49 21,85	3,043	+, 012	+,002	6	+24 13 28,88	,036	, 013	— ,09
10,951	Pegasi 7.8	3	49 40,22	3,045	+, 011	+,009	4	+23 25 52,62	,038	, 011	— ,22
10,952	Phœnicis 8	3	49 40,87	3,146	—, 039	——	3	—51 2 53,02	,038	, 013	——
10,953	Piscium 9	2	49 42,00	3,076	—, 002	+,011	4	— 4 35 53,77	,038	, 012	— ,04
10,954	18 Cassiopeiæ 6.7	3	49 47,41	3,001	+, 036	—,004	4	+49 31 4,07	,038	, 010	+ ,21
10,955	4 Ceti 6.7	3	49 51,98	3,089	—, 008	+,020	4	—16 45 56,40	,039	, 012	— ,08
10,956	Tucanæ 7	4	49 55,57	3,166	—, 052	——	6	—58 11 54,91	,039	, 013	——
10,957	27 Piscium p 5	14	50 13,65	3,075	—, 002	+,010	5	— 4 28 15,78	,040	, 012	— ,12
10,958	Phœnicis π 7	3	50 21,46	3,148	—, 043	——	3	—53 40 1,32	,040	, 012	——
10,959	Cassiopeiæ σ 6.7	3	50 40,66	2,994	+, 042	+,017	4	+54 50 11,92	,041	, 011	,00
10,960	28 Piscium ω 4.5	18	50 50,65	3,066	+, 002	+,017	12	+ 5 57 0,71	,042	, 010	— ,11
10,961	Androm. 7	3	50 53,35	3,008	+, 037	+,003	4	+49 36 39,14	,042	, 010	— ,03
10,962	27 App. Sculp. 6.7	6	50 58,72	3,102	—, 018	+,018	6	—30 24 12,99	,042	, 010	— ,05
10,963	Piscium 7	4	51 12,96	3,077	—, 003	+,028	5	— 6 48 32,81	,043	, 010	— ,08
10,964	Phœnicis 7	3	51 14,04	3,137	—, 040	——	3	—51 54 55,95	,043	, 010	——
10,965	Tucanæ ε 5	3	51 16,45	3,188	—, 075	——	5	—66 29 40,49	,043	, 010	——
10,966	428 Pegasi 7	3	51 21,50	3,062	+, 005	+,005	4	+10 21 16,71	,043	, 009	— ,03
10,967	Phœnicis 8	6	51 36,49	3,133	—, 040	——	7	—51 47 12,86	,043	, 009	——
10,968	App. Sculp. 7.8	3	51 42,87	3,113	—, 028	——	3	—41 6 33,87	,044	, 008	——
10,969	Pegasi 7.8	2	51 58,22	3,048	+, 014	+,006	4	+26 0 5,47	,045	, 007	— ,10
10,970	Phœnicis 7.8	3	52 22,83	3,126	—, 041	——	3	—51 21 58,79	,046	, 007	——
10,971	Phœnicis ρ 6	3	52 34,50	3,122	—, 038	——	3	—49 43 41,27	,047	, 006	——
10,972	Piscium 7.8	3	52 35,67	3,076	—, 003	+,014	4	— 6 45 9,16	,047	, 006	+ ,02
10,973	——— 8	3	52 40,07	3,076	—, 003	—,003	4	— 6 47 32,04	,048	, 006	— ,09
10,974	Phœnicis 7	3	52 49,89	3,123	—, 040	——	3	—51 15 23,57	,048	, 005	——
10,975	App. Sculp. τ 6.7	6	53 12,30	3,105	—, 028	+,014	7	—41 3 58,58	,049	, 005	— ,04
10,976	Cassiopeiæ 5	7	53 14,67	3,001	+, 047	——	9	+60 18 14,79	,049	, 005	——
10,977	29 Piscium q 5	7	53 22,18	3,074	—, 001	+,018	5	— 3 56 45,67	,049	, 005	— ,09
10,978	App. Suclp. υ 7.8	3	53 27,29	3,101	—, 024	——	3	—38 8 47,57	,049	, 004	——
10,979	30 Piscium r 4.5	10	53 29,87	3,076	—, 002	+,013	5	— 6 55 51,17	,049	, 004	— ,06
10,980	85 Pegasi 6	13	53 33,94	3,052	+, 014	+,079	13	+26 12 29,77	,050	, 004	+ ,11

No.	Star's name and mag.	No. Obs.	α Jan. 1. 1835.	d α	d² α	Annual P. M.	No. Obs.	δ Jan. 1. 1835.	d δ	d² δ	Annual P. M.
			h. m. s.	s	s	s		° ′ ″	+ ″	″	″
10,981	74 Piscium 7	3	23 53 34,93	+3,073	—,00001	+,005	4	— 3 41 4,95	20,050	+,00004	—0,06
10,982	App. Sculp. ζ 5.6	6	53 51,86	3,092	—, 018	+,013	7	—30 38 22,85	,051	, 004	— ,05
10,983	31 Piscium c^1 6	5	53 57,50	3,066	+, 004	+,007	6	+ 8 2 18,27	,051	, 003	— ,06
10,984	32 ——— c^2 6	5	54 4,06	3,065	+, 004	+,008	5	+ 7 34 8,36	,051	, 003	— ,02
10,985	Tucanæ 9	4	54 14,99	3,126	—, 050	——	4	—58 33 6,55	,051	, 003	——
10,986	Ceti ρ 6.7	3	54 29,01	3,083	—, 011	+,014	4	—20 58 4,85	,052	, 002	+ ,09
10,987	435 Pegasi 7	3	54 55,88	3,062	+, 009	+,010	4	+16 38 10,68	,053	, 001	+ ,09
10,988	App. Sculp. 7.8	5	54 58,11	3,093	—, 023	——	5	—37 10 11,97	,053	, 001	——
10,989	2 Ceti g 4	12	55 17,04	3,080	—, 010	+,005	5	—18 15 17,33	,054	, 001	— ,14
10,990	Tucanæ 8.9	4	55 23,94	3,115	—, 050	——	9	—58 44 46,57	,054	, 001	——
10,991	311 Cephei 6.7	3	55 46,81	3,026	+, 053	+,009	4	+61 22 7,00	,055	, 000	+ ,01
10,992	3 Ceti p 6	6	56 3,23	3,076	—, 006	+,002	5	—11 25 39,51	,055	—,00001	— ,07
10,993	Androm. 7.8	5	56 16,40	3,057	+, 021	+,072	4	+33 44 11,36	,055	, 001	+ ,02
10,994	Tucanæ 7.8	3	56 17,99	3,105	—, 048	——	3	—57 45 40,78	,055	, 001	——
10,995	437 Pegasi 6.7	3	56 27,40	3,061	+, 014	+,019	4	+25 43 49,66	,055	, 002	— ,06
10,996	Cassiopeiæ 9	4	56 28,25	3,029	+, 060	+,021	4	+63 51 43,62	,055	, 002	+ ,03
10,997	App. Sculp. 7.8	2	56 33,92	3,086	—, 022	——	2	—36 56 13,87	,056	, 003	——
10,998	Piscium 6.7	6	56 36,56	3,071	, 000	+,012	3	— 1 25 9,75	,056	, 003	— ,10
10,999	Phœnicis 7.8	3	56 44,17	3,096	—, 041	——	3	—53 3 54,41	,056	, 003	——
11,000	Androm. 7	3	56 45,29	3,058	+, 022	+,016	4	+34 39 15,23	,056	, 003	— ,02
11,001	33 Piscium s 5	11	56 53,43	3,073	—, 002	+,010	5	— 6 37 48,73	,056	, 003	+ ,06
11,002	Tucanæ 7.8	3	56 56,28	3,099	—, 048	——	3	—57 52 25,82	,056	, 003	——
11,003	Ceti 8.9	3	57 3,58	3,074	—, 005	+,024	4	—10 31 59,35	,056	, 003	— ,08
11,004	86 Pegasi k 6	5	57 14,22	3,068	+, 007	+,003	4	+12 28 40,47	,056	, 003	— ,01
11,005	315 Cephei 6.7	3	57 55,20	3,047	+, 058	+,021	4	+63 16 37,24	,056	, 005	+ ,01
11,006	440 Pegasi 7	7	58 3,90	3,066	+, 017	+,040	7	+28 6 37,64	,057	, 005	— ,24
11,007	12 Ceti 6.7	3	58 23,32	3,075	—, 013	+,021	4	—24 1 26,90	,057	, 005	— ,08
11,008	App. Sculp. 7.8	3	58 29,00	3,078	—, 026	——	3	—39 47 48,10	,057	, 006	——
11,009	——— ——— 7.8	3	58 52,48	3,065	—, 028	——	3	—42 48 31,94	,058	, 007	——
11,010	Tucanæ 7.8	4	58 59,82	3,080	—, 048	——	4	—57 45 18,04	,058	, 007	——
11,011	Tucanæ 7.8	3	59 5,14	3,079	—, 046	——	2	—56 55 51,53	,058	, 007	——
11,012	4 Ceti 7	3	59 17,04	3,071	—, 001	+,010	6	— 3 28 1,78	,058	, 008	— ,04
11,013	App. Sculp. ε 6	6	59 39,74	3,072	—, 020	+,005	8	—34 26 53,18	,058	, 009	— ,11
11,014	5 Ceti 7	8	59 45,15	3,071	—, 001	—,006	5	— 3 21 57,04	,058	, 010	— ,07
11,015	21 Androm. α 1	67	59 52,39	3,071	+, 017	+,018	101	+28 10 45,31	,058	, 010	— ,06

In the former volumes of the Madras Results I have exhibited the degree of dependance to be placed in the Madras determinations of Right Ascension or Declination by comparison of the one or the other with the places derived from other Catalogues; on consulting these volumes, as far as Right Ascension is concerned it will not perhaps be considered necessary here again to encounter the enquiry, but for the Declinations *as corrected for error of division*, it will not be uninteresting to note the degree of coincidence which now exists. The Catalogues which immediately offer for this purpose as being of high authority, are those derived from the Greenwich Observations as given in the Nautical Almanac; the first of these is stated to be derived from Mr. Pond's fundamental Catalogue for 1830, which Catalogue it must be noted had been observed in the years 1826—1829, or it will be

sufficient to assume 1827 as the approximate date of observation; the second catalogue is that given by professor Airy in the Nautical Almanac for 1845, derived from the Observations of 1836—1839, or January 1. 1838, may with sufficient accuracy be assumed as the epoch of Observation: if the latter catalogue be corrected for the Madras amount of proper motion between 1838—1845, and the former catalogue be likewise brought forward by the proper motion between the epochs (1827—1845) in addition to the amount due to precession,—the difference of either G′. or G″. from the Madras places (M.) will be found as follows.

Comparison of the Declination of 87 Stars of the Madras General Catalogue with the corresponding Greenwich places.

Cat. No.	Name.	Declination Jan. 1. 1845. Madras. 1835.	Greenwich. 1827.	Greenwich. 1838.	G′—M	G″—M	Remarks.
		° ′ ″	″	″	″	″	
11,015	α Andromedæ	+28 14 5,31	6,29	4,93	+0,98	—0,38	
21	γ Pegasi	+14 19 19,45	19,40	17,82	—0,05	—1,63	
178	α Cassiopeiæ	+55 41 9,52	10,25	10,79	+0,73	+1,27	
200	β Ceti	—18 50 17,17	15,16	18,61	+2,06	—1,44	P. M. probably in error.
363	α Urs. Min.	+88 28 58,40	58,29	58,52	—0,11	+0,12	
451	θ1 Ceti	— 8 59 3,00	2,74	5,51	+0,26	—2,51	G″. probably too large.
685	α Arietis	+22 43 36,10	35,96	35,23	—0,14	—0,87	
910	γ Ceti	+ 2 34 47,51	47,02	44,77	—0,49	—2,74	G″. probably too small.
1022	α ——	+ 3 28 41,81	41,01	40,47	—0,80	—1,34	
1141	α Persei	+49 18 12,17	13,13	13,95	+0,96	+1,78	P. M. appears to be too small.
1282	η Tauri	+23 37 17,29	16,94	15,89	—0,35	—1,40	
1360	γ1 Eridani	—13 57 12,50	11,98	13,20	+0,52	—0,70	
1602	α Tauri	+16 11 30,74	31,58	31,59	+0,84	+0,85	
1866	α Aurigæ	+45 49 59,89	59,58	59,09	—0.31	+0,80	
1879	β Orionis	— 8 23 6,94	6,85	8,13	+0,09	—1,19	
1949	β Tauri	+28 28 12,95	14,11	12,52	+1,16	—0,43	
2021	δ Orionis	— 0 25 8,29	8,82	8,13	—0,53	+0,16	
2034	α Leporis	—17 56 16,59	14,73	15,88	+1,86	+0,71	
2059	ε Orionis	— 1 18 21,47	20,66	20,43	+0,81	+1,04	
2109	α Columbæ	—34 9 37,10	36,58	39,42	+0,52	—2,32	The P. M. must be in error.
2207	α Orionis	+ 7 22 22,56	23,33	21,02	+0,77	—1,54	
2443	μ Geminor	+22 35 14,50	14.14	13,45	—0,36	—1,05	
2509	51 Cephei	+87 15 34,18	30,03	33,00	—4,15	—1,18	G′. is certainly too small.
2665	α Can. Maj.	—16 30 30,44	29,84	29,40	+0,60	+1,04	
2790	ε —— ——	—28 45 53,55	53,92	55,03	—0,37	—1,48	
2954	δ Geminor	+22 15 43,28	43,78	43,36	+0,50	+0,08	
3083	α2 ——	+32 13 19,33	20,74	19,41	+1,41	+0,08	
3142	α Can. Min.	+ 5 37 2,36	2,80	2,65	+0,44	+0,29	
3190	β Geminor	+28 23 42,14	43,63	41,72	+1,49	—0,42	
3434	15 Argus	—23 51 38,91	38,17	40,70	+0,74	—1,79	The P. M. probably in error.

Comparison of the Declination of 87 Stars continued.

Cat. No.	Name.	Declination Jan. 1. 1845. Madras. 1835.	Greenwich. 1827.	Greenwich. 1838.	G′—M	G″—M	Remarks.
		° ′ ″	″	″	″	″	
3795	ε Hydræ	+ 6 59 1,67	2,68	1,30	+1,01	—0,37	
3895	ι Urs. Maj.	+48 38 44,07	42,21	43,85	—1,86	—0,22	G.′ is probably too small.
4155	α Hydræ	— 7 59 22,52	21,44	23,61	+1,08	—1,09	
4180	θ Urs Maj.	+52 22 47,90	46,55	46,98	—1,35	—0,92	
4300	ε Leonis	+24 29 6,49	6,42	5,46	—0,07	—1,03	
4505	α Leonis	+12 43 21,25	22,50	20,19	+1,25	—1,06	The P. M. is probably in error.
4994	α Urs. Maj.	+62 35 10,20	11,17	10,41	+0,97	+0,21	
5105	δ Leonis	+21 22 20,39	19,96	18,24	—0,43	—2,15	*G.″ appears to be too small.
5163	δ Hyd. et. Crat.	—13 56 26,28	27,31	26,61	—1,03	—0,33	
5415	β Leonis	+15 26 19,47	18,88	17,20	—0,59	—2,27	
5444	γ Urs. Maj.	+54 33 25,32	25,84	23,68	+0,52	—1,64	
5780	β Corvi	—22 32 21,32	17,32	20,71	+4,00	+0,61	G.′ appears to be too small.
5959	1^2 Can. Ven.	+39 9 23,40	24,69	23,99	+1,29	+0,59	
6181	α Virginis	—10 21 0,86	57,81	2,35	+3,05	—1,49	The P. M. probably in error.
6420	η Urs. Maj.	+50 5 18,88	19,42	19,08	+0,54	+0,20	
6476	η Bootis	+19 10 37,96	37,16	36,34	—0,80	—1,62	
6653	α ——	+19 59 29,79	31,25	30,38	+1,46	+0,59	
6898	ε ——	+27 43 50,42	51,56	50,75	+1,14	+0,33	
6921	α^2 Libræ	—15 23 39,34	37,14	39,34	+2,20	0,00	G.′ probably too small.
6994	β Urs. Min.	+74 47 17,02	20,08	20,09	+3,06	+3,07	**M. too small.
7129	β Libræ	— 8 48 24,24	24,31	25,25	—0,07	—1,01	
7275	α Cor. Bor.	+27 14 22,61	23,11	22,29	+0,50	—0,32	
7333	α Serpentis	+ 6 55 1,74	4,06	1,62	+2,32	—0,12	G.′ appears to be too large.
7426	ζ Urs. Min.	+78 16 4,95	6,18	6,23	+1,23	+1,28	
7464	β Scorpii	—19 22 34,47	32,15	34,58	+2,32	—0,11	G.′ appears to be too small.
7549	δ Ophuichi	— 3 17 25,58	25,05	27,45	+0,53	—1,87	
7640	α Scorpii	—26 4 56,24	57,20	56,74	—0,96	—0,50	
7651	η Draconis	+61 51 57,27	58,63	59,18	+1,36	+1,91	M. appears to be too small.
7959	ε Urs. Min.	+82 16 55,56	55,94	56,76	+0,38	+1,20	
7985	α Herculis	+14 34 18,44	18,29	17,08	—0,15	—1,36	
8130	β Draconis	+52 25 6,46	6,33	6,16	—0,13	—0,30	
8134	α Ophuichi	+12 40 40,10	39,68	38,03	—0,42	—2,07	M. appears to be too small.
8333	γ Draconis	+51 30 33,45	33,46	33,90	+0,01	+0,45	
8419	μ^1 Sagittarii	—21 5 36,58	32,95	37,03	+3,63	—0,45	G.′ appears to be in error.
8554	δ Urs. Min.	+86 35 40,74	40,70	41,35	—0,04	+0,61	
8584	α Lyræ	+38 38 31,32	34,23	33,97	+2,91	+2,65	M. appears to be too small.
8672	β ——	+33 11 7,81	9,27	10,03	+1,46	+2,22	
8776	ζ Aquilæ	+13 38 14,53	14,39	13,90	—0,14	—0,63	
8929	δ ——	+ 2 48 38,20	38,90	37,18	+0,70	—1,02	
9094	γ ——	+10 14 23,11	24,08	22,83	+0,97	—0,28	

* The Radcliffe observations for 1840 give the Declination January 1. 1845 + 21. 22 22.66 (° ′ ″)

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Cat. No.	Name.	Declination Jan, 1. 1845 *Madras.* 1835.	*Greenwich.* 1827	*Greenwich.* 1838.	′G—M	″G—M	Remarks.
		° ′ ″	″	″	″	″	
9127	α Aquilæ	+ 8 27 47,44	49,22	47,69	+1,78	+0,25	G.′ probably too large.
9159	β ——	+ 6 1 26,62	27,46	25,50	+0,84	—1,12	
9336	α² Capricorni	—13 1 12,35	12,29	15,07	+0,06	—2,72	G.″ appears to be too large.
9473	λ Urs. Min.	+88 50 40,43	40,87	41,91	+0,44	+1,48	
9571	α Cygni	+44 43 44,83	44,34	44,74	—0,49	—0,09	
9784	61′ Cygni	+37 59 23,30	24,19	23,35	+0,89	+0,05	
9838	ζ ——	+29 35 36,48	38,01	37,55	+1,53	+1,07	
9911	α Cephei	+61 55 48,71	49,75	50,03	+1,04	+1,32	
9981	β Aquarii	— 6 14 59,76	59,37	60,57	+0,39	—0,81	
10,012	β Cephei	+69 52 52,21	52,78	51,83	+0,57	—0,38	
10,096	ε Pegasi	+ 9 10 0,95	61,78	0,60	+0,23	—0,35	
10,244	α Aquarii	— 1 4 11,21	11,67	13,99	—0,86	—2,78	
10,503	ζ Pegasi	+10 1 25,76	25,48	25,39	—0,48	—0,37	
10,581	α Piscis Aust.	—30 26 29,73	32,12	32,43	—2,39	—2,70	
10,624	α Pegasi	+14 22 22,36	22,53	20,47	+0,17	—1,89	
10,839	ι Piscium	+ 4 47 12,39	13,30	12,01	+0,91	—0,38	
10,849	γ Cephei	+76 46 2,71	5,00	3,28	+2,29	+0,57	

The above comparison, is, on the whole highly satisfactory, for it must be born in mind that the differences in many cases owe their magnitude to erroneous determination of the proper motion, or rather to combined smaller errors in the Madras or Palermo Catalogues; hence it may safely be assumed, that the Madras mural circle *when employed with its catalogued errors of division* possesses every advantage which could be derived from the most perfectly divided instrument:

At the conclusion of the catalogue given in Vol. V (Pages 156-176) an explanation is entered into relative to several blanks which occur, and a statement made of the number of Stars whose declination differed by less than 3″ or 6″ from the Brisbane Catalogue &c. much of which is modified by recent observation and by the allowance now made for error of division, thus

there are	1380	cases in which the difference B—T is below		″ 2
or	2364	—— — —— — ——	„ — ——	4
—	2816	—— — —— — ——	„ — ——	6
—	3007	—— — —— — ——	„ — ——	8
and	213	—— — —— — ——	„ — above	8 as follows

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane Catalogue.

Madras	Brisbane	B.—M.	*Memoranda and remarks.*
		′ ″	
No. 26	No. 14	—0 8,94	Madras result confirmed by recent observations.
53	24	+9 55,87	The Brisbane place is 10′ in error.
140	63	+0 9,19	This large difference arises from proper motion

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras	Brisbane	B.—M.	*Memoranda and remarks.*
		′ ″	
232	103	—0 9,82	The Madras result confirmed by recent observations.
410	174	+0 58,17	The Brisbane place is 1′ in error.
745	317	+0 9,56	The Madras result confirmed by recent observation.
778	333	+0 17,15	The Madras result confirmed by recent observation.
789	336	+0 8,97	The Madras result confirmed by recent observation.
815	347	+0 13,06	The Madras result confirmed by recent observation.
817	348	+0 20,60	The Madras observations exhibit a proper motion of 2″,5 which has consequently been employed in the reduction of the observations to 1835, hence the large difference now found.
1060	478	—0 8,69	Madras result confirmed by recent observation.
1157	539	+9 51,19	The Brisbane place is 10′ in error.
1161	542	+0 59,15	The Brisbane place is 1′ in error.
1205	563	—9 56,21	The Brisbane place is 10′ in error.
1231	577	—0 13,35	This Star has inadvertently been overlooked.
1243	581	—0 19,79	The Madras place confirmed by recent observation.
1292	596	—0 8,52	The Madras observations indicate a proper motion of +1″
1329	613	—0 9,30	The Madras observations indicate a proper motion of +1″
1388	638	+0 17,62	The Madras result confirmed by recent observation
1425	656	—0 10,43	The Madras observations indicate a proper motion of +¾″
1456	667	+0 11,26	The Madras result confirmed.
1720	796	+0 8,84	The Madras observations indicate a proper motion of—1″
1906	910	—0 21,83	The Madras result confirmed by recent observations.
1914	911	—0 13,40	The Madras result confirmed ; an indication of proper motion.
1937	923	—0 29,89	The Madras result confirmed by recent observation
1963	935	—0 9,21	The Madras result confirmed by re-observation.
2069	987	—0 11,44	The Madras result confirmed by recent observation.
2175	1046	+4 59,10	The Brisbane place is 5′ in error.
2184	1054	—0 13,20	The Madras result confirmed by recent observation.
2208	1066	—0 8,31	This Star has been overlooked.
2228	1084	—0 17,26	The Madras observations exhibt a proper motion of +1.″2.
2303	1125	—0 8,72	This Star has been overlooked.
2322	1135	—0 ——	The Declination from recent observations reduced to Jan. 1. 1835 = 52° 51′ 20″,24.
2343	1146	—0 13,94	The Madras result confirmed by recent observation.
2350	1155	—0 25,87	* The Madras result confirmed but a proper motion of—1″,5 indicated.
2356	1157	—0 8,93	The Madras result confirmed by recent observations.
2362	1162	—0 8,32	This Star has been overlooked.
2378	1171	0 ——	This Star has been repeatedly looked for, but not found.

* The observations of this Star were made in 1840—1842, hence the place in the catalogue for 1835 requirs to be corrected for 6 years proper motion.

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras	Brisbane	B.—M.	*Memoranda and remarks.*
		′ ″	
2409	1181	+0 37,98	The Madras result confirmed by recent observations.
2419	1188	—0 15,43	† The Madras result confirmed but a proper motion of +1″,5 indicated.
2423	1192	—0 9,88	The Madras result confirmed by recent observations.
2422	1190	—0 9,43	The Madras result confirmed by recent observations.
2425	1200	—0 10,17	‡ The Madras result confirmed by recent observation
2448	1208	+0 9,51	** The Madras result confirmed but a proper motion of —1″ indicated.
2449	1210	+0 10,15	The Madras result confirmed by recent observation
2531	1253	—0 8,31	The Madras result confirmed by recent observation.
2616	1308	0 ——	Has been repeatedly looked for, but not seen.
2649	1329	—0 8,92	This Star has been overlooked.
2661	1336	—0 57,10	The Madras result confirmed; the Brisbane place is 1′ in error.
2667	1339	+0 8,84	This Madras result confirmed by recent observation.
2704	1360	+0 11,67	This Madras result confirmed by recent observation.
2706	1362	+1 2,99	The Madras result confirmed; the Brisbane place is 1′ in error.
2731	1379	—0 9,88	The Madras result confirmed by recent observation.
2747	1391	—0 10,64	This Madras result confirmed by recent observation.
2815	1438	—0 11,38	The Madras result confirmed by recent observation.
2849	1467	—0 8,02	The Madras result confirmed by recent observation.
2855	1474	—0 11,87	* The Madras result confirmed but a proper motion of +1″ indicated.
2870	1480	+0 10,83	The Madras result confirmed by recent observations.
2881	1487	—0 8,09	Observed in 1840, 1841 and 1844.
2882	1490	—0 13,94	The Madras results confirmed.
2889	1491	—0 8,61	This Madras result confirmed.
2913	1501	+1 5,08	The Madras result confirmed; the Brisbane place in error.
2918	1503	—0 16,71	I have allowed a proper motion of +1,″7 which will reduce this difference greatly.
2955	1531	+2 49,55	The Madras result confirmed by recent observation.
3010	1570	+1 2,17	The Madras result confirmed; the Brisbane place is 1′ in error.
3017	1579	—1 1,98	The Madras result confirmed; the Brisbane place is 1′ in error.
3050	1603	—0 9,09	Recent observations would diminish this difference 1″
3084	1633	—0 25,66	I have allowed a proper motion +2,″8 as derived from the Madras observations which will [greatly reduce this difference.
3100	1645	+1 45,38	This is the nearest Star to B. 1645.
3136	1662	—1 3,65	Madras result confirmed: B. catalogue 1′ in error.
3166	1685	+1 16,91	It would appear that observation k^2 Naris has been re-observed for this Star: from 3 re- [cent observations Dec. for 1835 = —26°18′44″73 differing 6′ from the B. catalogue.
3170	1688	+0 10,14	The Madras result confirmed by recent observation.
3231	1738	—0 12,66	The Madras result confirmed by recent observations.

† The observations of this Star were made in 1840—1842, hence the place in the catalogue for 1835 requires to be corrected for 6 years proper motion.
‡ Two observations in 1844 place this Star 9″ to the South of the place set down in the catalogue.
** The observations of this Star were made in 1838—1840, hence the place in the catalogue for 1835 requires to be corrected for 4 years proper motion.
* This Star was observed in 1838 consequently the place in the Catalogue for 1835 requires to be corrected for 3 years proper motion.

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras.	Brisbane.	B.—M.	*Memoranda and remarks.*
		′ ″	
3235	1741	—0 15,12	Recent observations of No. 1740 and 1741 B place them 2′ to the South of the places
3247	1751	—4 19,43	The Madras result confirmed by recent observations. [given in the Catalogue
3290	1789	+9 56,82	The Madras result confirmed ; the Brisbane place is 10′ in error.
3291	1792	+0 10,89	The Madras result confirmed by recent observations.
3308	1804	+5 15,44	The Madras result confirmed by recent observations.
3314	1809	—1 3,93	The Brisbane place is 1′ in error,
3320	1814	—0 11,57	The Madras result confirmed by recent observations.
3323	1816	+0 20,60	The Madras result confirmed, but proper motion indicated.
3378	1852	—0 9,01	The Madras result confirmed by recent observations.
3477	1927	—0 15,47	The Madras place confirmed, but proper motion indicated.
3490	1936	+0 12,20	The Madras place confirmed but proper motion indicated.
3509	1949	—0 12,22	The Madras place confirmed by recent observations.
3553	1987	—0 10,22	The Madras place confirmed by recent observations.
3563	1993	—0 10,88	This Star has been overlooked.
3577	1999	—0 9,48	The Madras result confirmed by recent observations.
3614	2028	—0 58,55	The Madras result confirmed; B. place 1′ in error. [Star here.
3625	2040	+0 10,12	No. 3625 and 3626 were observed for B.2039 and 2040; there is however only *one*
3628	2041	+0 11,48	The Madras result confirmed but an indication of proper motion.
3631	2044	—0 11,79	The Madras result confirmed by recent observations.
3634	2049	—0 15,71	The Madras result confirmed by recent observations.
3638	2052	+9 56,54	The Brisbane place is 10′ in error.
3655	2063	+0 28,27	The Madras result confirmed by recent observations.
3658	2066	—0 9,42	The Madras result confirmed by recent observations.
3659	2059	—0 12,47	The Madras result confirmed by recent observations.
3668	2076	—0 9,90	The Madras result confirmed, but proper motion indicated.
3797	2174	+0 15,43	The Madras result confirmed by recent observations.
3810	2189	+0 22,78	The Madras result confirmed but an indication of proper motion.
3847	2219	+0 12,76	The Madras result confirmed but an indication of proper motion.
3865	2237	—0 10,45	The Madras result confirmed by recent observations.
3922	2288	+0 9,07	Tee Madras result confirmed but an indication of proper motion.
3976	2328	—0 8,18	The Madras result confirmed but an indication of proper motion.
4010	2359	+0 8,53	The Madras results indicate proper motion about—$\frac{3}{4}$″*
4028	2373	—0 55.42	The Madras result confirmed ; B. place 1′ in error.
4065	2406	—0 8,30	The Madras result confirmed by recent observations.
4147	2473	—0 10,28	The Madras result confirmed by recent observations.

* This Star was observed in 1838—1840 hence 4 years proper motion should be applied to the place for 1835 as set down in the catalogue.

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras	Brisbane	B.—M.	*Memoranda and remarks.*
		′ ″	
4161	2484	+ 4 59,23	The Madras result confirmed ; B. place 5′ in error.
4242	2560	— 0 39,28	The Madras result confirmed by recent observations.
4383	2717	— 0 9,61	The Madras result confirmed by recent observations.
4401	2730	— 0 9,61	The Madras result confirmed by recent observations.
4402	2731	— 0 49,74	The Madras result confirmed by recent observations.
4448	2777	—10 4,02	The Madras result confirmed ; B. place 10′ in error.
4502	2837	+ 0 58,67	The Madras result confirmed ; B. place 1′ in error.
4508	2844	— 0 9,65	The Madras result confirmed by recent observations.
4512	2847	— 5 10,77	The Madras result confirmed by recent observation.
4693	3021	+ 0 15,61	The Madras result confirmed but an indication of proper motion, (about — $\frac{3}{4}$″)
4697	3029	— 0 27,68	The Madras result confirmed by recent observations.
4706	3035	+ 0 15,76	The Madras result confirmed but an indication of proper motion, (about — 1″)†
4719	3049	+ 0 9,74	The Madras result confirmed by recent observation.
4732	3061	— 1 4,47	The Madras result confirmed ; B. place 1′ in error.
4747	3077	— 6 53,68	This requires re-examination.
4753	3081	+ 0 31,10	The Madras result confirmed by recent observations.
4761	3090	+ 2 45,50	This Star has been re-observed in the present year (1844), but no Star seen in the place
4822	3155	+ 0 12,55	The Madras result confirmed, but proper motion indicated. [indicated by B.
4843	3183	+ 0 8,27	The Madras result confirmed by recent observations.
4914 4915	3254 3255	} 0——	These are evidently the same Star, only *one* Star here.
4930	3271	+ 9 59,53	The Madras result confirmed ; B. place 10′ in error.
5031	3316	— 0 14,03	The Madras result confirmed, but indication of proper motion (about + 1″) **
5070	3412	— 0 8,14	The Madras result confirmed by recent observations.
5090	3435	— 0 8,04	The Madras result confirmed by recent observations.
5091	3440	— 0 12,59	The Madras result confirmed by recent observations.
5098	3451	+ 1 11,93	The Madras result confirmed, the B. place 1′ in error.
5130	3487	+ 1 38,87	The Madras result confirmed by recent observations.
5145	3505	— 1 13,29	This Star has been re-observed as being the nearest to that observed by B. ***
5159	3519	— 0 9,63	The Madras result confirmed by recent observaitons.
5239	3588	+ 0 8,86	The Madras result confirmed by recent observation.
5252	3598	+ 0 9,16	The Madras result confirmed by recent observation.
5311	3666	+ 0 10,23	The Madras result confirmed, but proper motion indicated.
5331	3682	+ 0 9,67	The Madras result confirmed by recent observations.
5337	3687	— 0 11,45	No recent observations of this Star.
5342	3688	— 0 10,94	This Star must be re-observed.

† Observed in 1838—1840 hence 4 years proper motion remains to be applied to the declination given in the catalogue.
** Observed in 1838—1840, hence 4 years proper motion remains to be applied to the declination set down in the catalogue.
*** A brighter Star-one of the 7.8 mag. has been observed here whose declination for 1835 comes out—87°6′53″,84 differing 10′1″,84 from B. and on refering to the Transit book it is the latter Star I find to which the A. B. set down in the catalogue refers.

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras.	Brisbane.	B.—M.	*Memoranda and remarks.*
		′ ″	
5355	3704	+5 35,31	No recent observations of this star.
5394	3751	+5 15,32	The Madras result confirmed by recent observation.
5416	3782	+0 15,39	The Madras result confirmed but proper motion indicated.*
5419	3785	—0 10,57	No recent observations of this star.
5453	3821	+0 10,23	The Madras result confirmed by recent observations.
5502	3860	—0 9,99	Recent observations place this star 1″ to the South of the catalogue.
5507	3869	—5 6,84	The Madras result confirmed; B. place 5′ in error.
5605	3964	—0 13,73	The Madras result confirmed by recent observations.
5610	3971	+0 9,32	The Madras result confirmed by recent observations.
5715	4060	+0 9,22	The Madras result confirmed by recent observations.
5800	4117	+0 8,99	The Madras result confirmed by recent observations.
5876	4192	—1 56,07	The Madras result confirmed by recent observations.
5974	4273	+0 11,20	The Madras result confirmed by recent observaiions.
6010	4312	+0 8,53	No recent observations of this Star.
6016	4320	+0 8,54	The Madras result confirmed, but proper motion indicated.**
6021	4326	—4 3,52	The Madras result confirmed by recent observations.
6059	4355	+0 58,52	No recent observations of this Star.
6114	4391	+5 5,01	This Star must be re-observed.
6180	4455	+0 58,14	The Madras results for 1840 and 1841, agree: B. is probably 1′ in error.
6185	4462	—0 15,00	A Nebulæ here, the place requires re examination.
6209	4480	—0 8,77	No recent observations of this Star.
6281	4545	—0 11,52	No recent observations of this Star.
6288	4549	+0 16,30	The Madras result confirmed by recent observations.
6297	4555	+0 10,39	No recent observations of this Star.
6363	4607	—0 8,64	The Madras result confirmed by recent observations.
6414	4646	+0 8,23	No recent observations of this Star.
6485	4702	+0 8,18	No recent observations of this Star.
6529	4737	—0 10,35	No recent observations of this Star.
6647	4833	+0 11,86	No recent observations of this Star.
6684	4868	—0 8,30	No recent observations of this Star.
6714	4900	—0 43,03	The Madras observations indicate a proper motion of + 3″ which has been allowed in
6735	4921	+0 2,17	The Madras result confirmed by recent observation. [the reduction to 1835.
6785	4956	—1 52,24	This Star must be re-observed.
6833	4993	—0 9,73	No recent observations of this Star.
6843	5008	+0 14,77	No recent observations of this star.

* This Star was observed in 1840 hence 5 years P. M. must be applied to the catalogue.
* This Star was observed in 1840 hence 5 years P. M. must be applied to the catalogue.

Memoranda regarding those Stars whose Declination differs above eight seconds from the Brisbane catalogue.

Madras	Brisbane	B.—M.	*Memoranda and remarks.*
		′ ″	
6959	5122	+0 8,12	No recent observations of this star.
7097	5235	+0 30,87	The Madras result confirmed by recent observations.
7246	5382	—4 58,80	No recent observations of this star.
7439	5573	+0 9,37	The Madras result confirmed by recent observations.
7553	5667	—0 11,21	This Star must be re-observed.
7588	5700	—0 8,82	No recent observations of this star.
7906	5959	—0 8,27	No recent observations of this star.
8214	6204	+0 11,77	No recent observations of this star.
8366	6309	—0 17,43	This Star must be re-observed.
8445	6372	+0 8,54	No recent observations of this star.
8551	6437	+4 59,50	The B. catalogue is 5′ in error.
8689	6536	+0 10,58	The Madras result confirmed by recent observation.
8712	6545	+0 16,71	No recent observations of this star.
8933	6669	—0 8,25	No recent observations of this star.
9222	6799	+0, 8,64	No recent observations of this star.
9584	6916	—0,11,75	The Madras result confirmed by recent observations.
9666	6946	+0, 9,72	The Madras result confirmed but proper motion indicated.*
9689	6953	+0, 8,42	The Madras result confirmed but proper motion indicated.**
9710	6960	—0,10,59	The Madras result confirmed by recent observations.
10050	7056	—0 8,70	The Madras result confirmed by recent observations.
10056	7059	+0 8,07	No recent observations.
10073	7069	+0 12,72	The Madras result confirmed but proper motion indicated.***
10200	7110	+0 30,30	The Madras results require a proper motion of — 2.″9 to reconcile them *inter se* and with [the Brisbane catalogue, and this amount has been allowed in obtaining the place for 1835.
10226	7117	+0 11,24	No recent observations of this star.
10234	7121	—0 20,19	The Madras result confirmed by recent observations.
10257	7132	+1 16,10	The Madras result confirmed by recent observations.
10359	7158	+0 9,02	No recent observations of this star.
10501	7196	—0 8,38	No recent observations of this star.
10527	7207	+0 13,33	The Madras result confirmed, but proper motion indicated.†
10669	7255	—2 2,88	The Madras result confirmed, by recent observations.
10685	7264	—0 9,41	No recent observations of this star.
10702	7273	—0 8,02	The Madras result confirmed by recent observations.
10860	7322	+0 8,20	No recent observations of this star.
10924	7340	—0 11,36	No recent observations of this star.
10967	7361	—0 15,02	The Madras result confirmed by recent observations.

* This Star was observed in 1840, hence 5 years P. M. must be applied to the catalogue.
** This Star was observed in 1840. hence 5 years P. M. must be applied to the catalogue.
*** This Star was observed in 1841, hence 6 years P. M. must be applied to the catalogue.
† This Star was observed in 1841, hence 6 years P. M. must be applied to the catalogue.

PROPER MOTION OF THE FIXED STARS.

In the early pages of this volume it has been shewn, that the Madras General Catalogue when compared with Piazzi, exhibits 252 cases in A. R. and 221 in declination in which the resulting proper motion exceeds that which might arise from the ordinary errors of observations; with a view of comparing these with the proper motions assigned by Piazzi—I have applied to each of our proper motions the correction — 0,007*s* for A. R. and + 0,″05 for declination, and have converted the former—which are in time, into *arc;* in addition to this, in the pages which follow I have given all the cases of proper motion from Piazzi not included in the above which exceed 0,″25, both in A. R. and declination, thus

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 2	XXIII.	283	+1,12	+0,82	—0,08	—0,25	
7		286	+0,10	—0,29	+0,02	—0,17	
15	0	5	+0,06	—0,32	—0,08	—0,34	
33	0	20	+0,48	——	—0,08	——	
	0	11[m]	+4,38	——	+1,78	——	This Star was not visible at Palermo; the proper motion is from the Madras observations.
48	0	33	+0,07	—0,05	+0,28	+0,04	
88	0	68	+0,49	——	—0,19	——	
89	0	69	+0,19	——	—0,44	——	
114	0	90	+0,48	——	+0,01	—0,20	
115	0	91	—0,06	——	+0,06	+0,40	
118	0	94	—0,02	—0,94*	+0,10	0,00	
135	0	105	+0,42	+0,07	0,00	+0,40	
140	0	111	—0,15	——	—0,48	—0,30	
151	0	117	+0,54	+0,26	—0,02	—0,08	
166	0	130	+1,77	——	+0,03	——	
175	0	137	+0,88	——	—0,17	——	
176	0	138	—0,63	—0,70	—0,43	—0,42	
184	0	146	+0,12	—0,40	—0,02	+0,35	
197	0	157	+0,21	—0,30	+0,02	—0,15	
199	0	156	—0,55	——	—0,06	——	
202	0	160	+0,10	—0,10	+0,07	—0,30	
203	0	163	—0,02	—0,20	—0,01	+0,30	
216	0	172	+0,02	—0,30	—0,10	—0,30	
228	0	183	+0,18	—0,30	—0,05	—0,06	
230	0	185	+2,17	+1,78	—0,51	—0,72	
235	0	189	+0,79	+0,50	—1,15	—1,25	
239	0	193	—0,06	+0,60	—0,18	—0,20	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observation.
240	0	194	+0,19	+0,80	+0,05	—0,10	
249	0	201	—0,21	—0,40	—0,18	—0,16	
255	0	207	+0,19	—0,30	+0,01	—0,20	

* Derived from a comparison of La Caille with Piazzi.

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 265	0	216	+0,12	—0,30	—0,05	—0,12	
266		217	—0,08	—	—0,07	—0,30	
280		220	+1,44	—	+0,13	—	
282		232	+0,07	+0,20	0,00	+0,40	
287		238	+0,12	—0,30	+0,02	—0,05	
298		234	+1,77	—	+0,06	—	
300		250	—0,11	—0,90*	+0,07	—0,39	
317		265		—0,20	+0,04	+0,30	
318		266	—0,05	—0,30	—0,07	—0,15	
330		275	—0,14	+0,30	+0,01	—0,10	
333		280	—0,38	+0,70†	—0,13	—0,20	The Declination of this Star's was observed at Greenwich in 1836, differing only 0″, 12 from the place assigned in the Catalogue.
335		277	+5,76	+5,70	—1,57	—0,65	
340		286	—0,05	—0,40	+0,02	0,00	
349		295	+0,18	+0,40	—0,06	—0,52	
351		296	+0,09	—0,70	+0,15	+0,05	
355		299	—0,38	—0,39	—0,10	—0,25	
359		300	+0,07	+0,28	—0,07	—0,10	
361		301	—0,49	+0,35	—0,05	—0,10	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observation.
377	I	4	+0,04	+0,25	+0,27	+0,14	
393		18	+0,21	+0,04	+0,02	—0,26	
399		22	+0,12	—	+0,34	—	
400		24	+0,16	—	+0,29	—	
419		39	+1,05	—	+0,06	—	
445		62	+0,25	+0,64	—0,03	—0,16	
446		65	—0,49	—	+0,08	—	
464		74	+0,55	—	0,00	—	
469		80	+0,46	+0,15	—0,10	—0,20	
516		119	—0,12	—	—0,32	—	
563		154	—0,29	—0,32	—0,69	—0,57	
564		156	+0,04	0,00	+0,05	+0,36	
574		155	+1,18	—	+0,04	+0,36	
575		163	—1,75	—1,86	+0,84	+0,84	
579		168	+0,24	+0,46	+0,08	—0,44	The P. M. in Declination differ too much to be accounted for by the ordinary errors of observation.
582		165	+0,73	—	+0,01	—	
585		171	—0,26	—	+0,29	—	
594		180	—1,84	—	+0,06	—	
601		185	+0,09	—0,29	+0,02	—0,18	
603		188	—0,05	—	+0,34	—	
610		193	0,00	+0,04	—0,14	—0,36	
615		197	0,00	+0,15	—0,41	—0,12	
628		205	0,00	+0,27	+0,04	0,00	
639		208	+1,10	—	—0,06	—	
667		236	+0,07	+0,26	—0,01	—0,11	
676		239	+0,83	—	—0,19	—	
677		248	—0,52	—	+0,34	—	

* Derived from a comparison of La Caille with Piazzi.
† Derived from a comparison of Piazzi with Flamstead and Bradley, but Piazzi says "Motus Proprius ex Mayero in A. R.—0,5".

The Madras General Catalogue

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 686	I	254	+0,52	+0,20	0,00	—0,20	
690		255	+0,42	—	—0,13	—	
694		260	+0,10	+0,33	—0,04	—0,07	
698		265	—0,09	0,00	—0,05	+0,26	
711	II	3	+0,46	—	—0,16	—0,28	
714		10	0,00	—0,74	—0,08	—0,10	
718		11	+0,25	+0,39	—0,04	—0,03	
726		18	+0,25	+0,81	—0,03	—0,05	
746		34	+0,60	+1,29	—0,21	—0,26	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observation.
751		38	+0,31	—	+0,33	—	
755		52	+0,03	—	—0,01	—	
772		56	+0,06	—0,17	—0,26	—0,15	
774		58	—0,12	0,00	+0,01	—0,28	
775		59	—0,23	—	+0,40	—	
777		62	+0,49	—	+0,04	—	
786		65	—0,36	—0,25	+0,04	—0,20	
833		98	+0,93	—0,11	—0,06	—0,07	This large difference of P. M. in A. R. merits attention.
847		110	—0,12	+0,26	0,00	+0,13	
854		116	—0,51	—0,67	+0,22	—0,32	
855		117	+0,42	—	—0,01	—	
861		123	+1,84	—	+1,48	—	
863		124	—0,18	—	—0,56	—	
866		126	+0,43	—	+0,04	—	
883		141	—0,26	—	—0,28	—	
892		149	+0,09	+0,15	—0,17	—0,44	
900		150	+0,10	+0,67	—0,10	—0,10	
910		161	—0,21	—0,35	—0,06	—0,20	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observation.
930		175	+0,50	—	+0,06	—	
931		176	—0,96	—	—0,07	—	
946		183	+0,19	+0,37	—0,11	—0,08	
951		188	—0,55	+0,07	—0,05	—0,20	
953		195	+0,10	—	+0,29	—	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observations.
977		212	+0,07	0,00	—0,06	—0,25	
981		213	+0,25	+0,14	—0,17	—0,29	
986		219	—0,02	+0,15	—0,24	—0,30	
987		218	0,00	—	—0,08	—	
1020		242	+0,57	+0,27	—0,07	—0,11	
1027		248	+0,30	—	—0,33	—	
1029		246	+0,21	+0,26	—0,11	—0,11	
1036		252	+0,10	+0,27	+0,04	—0,05	
1039		253	+2,11	—	+0,05	—	
1058		264	—0,02	+0,32	+0,08	—0,11	
1083	III	13	+0,24	+0,64	+0,62	+0,82	
1144		47	+4,00	+4,30	+0,84	+0,83	
1152		48	—0,21	—	+2,10	—	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 1199	III.	88	—0,08	——	—0,27	——	
1202		87	+0,04	——	—0,27	——	
1206		89	—0,99	——	+0,01	——	
1210		92	—0,18	——	—0,30	——	
1220		100	—0,29	—0,06	—0,46	—0,02	
1245		111	—0,63	——	0,00	——	
1263		134	—0,15	—0,23	+0,61	+0,60	
1272		143	—0,11	—0,17	+0,04	+0,29	
1298		168	—0,17	—0,14	—0,48	—0,59	
1310		173	—0,18	+0,27	+0,01	+0,21	
1327		189	—0,38	—1,02	—0,05	—0,05	The P. M. in A. R. differ to be accounted for by the ordinary errors of observation.
1411		247	—0,03	——	—0,29	——	
1423		252	+0,15	+0,35	—0,17	+0,02	
1441	IV	4	+2,91	——	+0,04	——	
1468		24	—0,12	——	—0,25	——	
1475		29	—2,22	—2,21	—3,45	—3,60	
1490		41	+0,10	+0,29	—0,14	+0,05	
1500		44	+0,16	——	+0,28	——	
1516		63	—0,08	+0,26	—0,03	—0,11	
1533		75	+0,21	+0,16	+0,03	—0,30	
1591		116	+0,43	——	—0,03	——	
1609		130	—0,35	+0,02	—0,23	—0,27	
1630		150	—0,08	—0,32	—0,12	—0,13	
1665		181	+0,03	——	+0,26	——	
1684		190	+0,24	+0,23	—0,32	—0,42	
1691		201	+0,09	+0,54	—0,03	—0,07	
1701		191	—0,46	——	+0,02		
1706		213	—0,12	+0,22	—0,02	+0,44	
1718		207	—0,48	——	+0,07	——	
1733		218	—0,55	——	+0,02	——	
1793		273	—0,11	+0,04	—0,12	—0,27	
1807		269	—0,97	——	+0,14	——	
1809		290	—0,32	+0,27	+0,08	+0,35	The P. M. in A. R. differ too much to be accounted for by the ordinary errors of observation.
1816		293	+0,57	+0,69	+0,01	+0,05	
1821		292	—0,46	——	+0,05	——	
1829		300	0,00	——	—0,35	—0,50	
1839		312	—0,11	—0,30	—0,08	—0,11	
1864	V	5	+0,03	+0,38	—0,03	——	
1866		6	+0,12	+0,12	—0,34	—0,44	
1885		22	+0,66	——	—0,60	——	
1898		34	+0,43	—0,12	—0,01	—0,21	
1918		51	+0,10	——	—0,41	——	
1931		61	—1,04	——	+0,07	——	
1981		85	+0,15	——	—0,17	—0,32	
1992		102	+0,42	——	—0,01	——	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 2025	V	133	+0,12	—	+0,26	—	
2061		146	+0,06	—	—0,46	—	
2132		219	—0,27	—0,42	—0,28	—0,40	
2135		214	—0,14	+0,08	+0,08	+0.60	
2183		251	+0,03	—0,27	—0,03	0,00	
2187		246	—0,51	—	—0,01	—	
2190		261	—0,26	+0.06	—0,59	+0,62	The sign of the proper motion assigned by Piazzi is probably in error.
2200		267	—0,03	—	+0,37	—	
2203		262	+0,21	—	—0,05	—0,42	
2250		293	+0,09	+0,30	+0,08	—0,22	
2258		298	—0,18	+0,22	—0,30	—0,24	
2263		304	—0,20	+0.28	—0,02	—0,06	
2272		312	+0,07	—	+0,32	—	
2318		348	+0,03	—	+0,41	—	
2338	VI	6	—0,48	—0,80	+0,04	—0,28	
2354		12	+0,10	—0,90	+0,12	—0,44	This large difference of proper motion in A. R. merits attention.
2361		14	+0,61	—	—0,03	—	
2370		18	+0,04	—0,30	—0,17	—0,35	
2380		34	+0,31	—0,30	—0,17	—0,30	
2404		49	—0,18	—	—0,53	—	
2435		67	+0,02	+0,26	0,00	—0,17	
2438		72	—0,03	—	+0,38	—	
2451		81	—0,06	—0,20	+0,07	—0,25	
2460		84	0,00	+0,32	—0,06	+0,04	
2469		95	0,00	—0,34	+0,05	—0,03	
2480		75	+0,73	—	—0,53	—	
2505		124	+0,10	—0,03	+0,05	+0,30	
2509		21	+2,16	—	—0,02	—	
2517		136	—0,03	+0,30	+0,12	—	
2523		138	—0,20	—	+0,15	—0,30	
2525		125	—0,46	—	—0,26	—0,41	
2537		143	—0,03	0,00	+0,10	+0,27	
2540		142	—0,06	—	+0,38	—	
2546		155	+0,10	—0,25	—0,02	0,00	
2555		159	+0,03	—	+0,05	—0,50	
2578		175	+0,27	+0,07	+0,11	+0,30	
2599		191	+0,42	—	+0,04	—	
2605		195	+0,12	0,00	+0,06	+0,40	
2665		227	—0,70	—0,51	—1,24	—1,14	
2701		253	—0,17	0,00	+0,11	—0,30	
2710		250	+0,13	—	—0,06	—0,25	
2720		260	—0,91	—	—0,03	—	
2749		278	+0,45	—	—0,39	—	
2799		305	+0,13	—	—0,70	—	
2841		332	+0,03	—	+0,48	—	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 2843	VI	335	+0,04	—	+0,08	—0,40	
2863		340	—0,27	—0,38	—0,21	—0,40	
2868		347	—0,81	—	0,00	—	
2894		334	—0,59	—	+0,06	—	
2936	VII	51	+0,06	—0,06	+0,07	+0,40	
2939		55	+0,28	—	+0,54	—	
2944		47	+0,63	—	+0,01	—	
2951		59	—0,02	—	+0,03	+0,40	
2997		83	+0,03	—0,43	+0,06	+0,02	
3007		90	—0,12	—0,27	—0,15	—0,08	
3022		94	—0,45	—	+0,04	—	
3028		97	—0,11	—0,27	0,00	—0,06	
3058		114	—0,03	—	+0,30	—	
3080		135	+0,12	—0,43	0,00	+0,30	
3086		137	—0,26	—0,90	+0,01	—	
3116		157	+0,27	—0,30	+0,08	—0,40	
3124		132	—0,78	—	+0,10	—	
3130		151	+0,02	—0,40	—0,02	—0,15	
3142		168	—0,69	—0,71	—1,08	—0,98	
3147		170	0,00	—0,42	+0,02	—	
3162		155	—0,81	—	+0,07	—	
3172		178	+0,06	—0,04	—0,25	—0,27	
3209		211	+0,02	—	—0,50	—	The P. M. in A. R. comes out + 4,″ 41. Piazzi says "Motus proprius ex nostris observationibus tantum." Another Star has been observed, following this at 15,54s.
3248		220	+0,03	—	—0,87	—	
3256		226	?	+0,90	—0,37	—0,63	
3267		222	—0,11	—0,26	—0,04	0,00	
3269		223	—0,48	—	+0,04	—	
3322		263	+0,03	—	+0,28	—	
3340		273	+0,12	+0,34	+0,06	+0,07	
3356		288	+0,43	—	0,00	—	
3368		290	—0,02	—0,27	+0,02	—0,03	
3396		301	+0,12	—	—0,29	—	
3420		308	+0,30	—	—0,26	—	
3432		314	—0,15	+0,02	—0,34	—0,42	
3436		311	—0,54	—	+0,03	—	
3439	VIII	321	—0,44	—	—0,63	—0,65	
3449		6	+0,31	+0,06	—0,38	—0,31	
3451		4	—0,96	—0,60	+0,01	—0,07	
3514		37	+0,15	+0,06	—0,28	—0,39	
3569		57	—0,35	—0,30	—0,07	—0,04	
3662		96	—0,09	—0,46	+0,10	+0,17	
3672		106	+0,03	—0,03	—0,05	—0,28	
3746		148	+0,48	—	+0,01	—	
3806		169	+0,25	—	—0,38	—	
3848		186	—0,51	—	—0,18	—	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 3850	VIII	190	—0,06	——	+0,04	+,040	
3864		197	+0,24	—0,26	+0,03	—0,14	
3882		210	—0,18	+0,14	—0,01	—0,48	Piazzi says "Motus in A. R. ex Flams—1,″7 ex La-Lande—0,″8" the Madras observations between 1835—1844 give +,51.
3891		207	—0,20	—2,20	+0,02	+0,04	
3895		212	—0,61	—1,05	—0,23	—0,32	
3908		223	—0,64	——	—0,26	——	
3925		230	—0,20	——	—0,01	—0,30	
3942		240	+0,57	——	—0,03	——	
3975		256	—0,17	—0,29	—0,32	—0,49	
3990		263	—0,09	——	—0,02	—0,25	
4011	IX	6	—0,69	—0,55	+0,16	+0,26	
4017		8	0,00	+0,05	+0,07	—0,27	
4029		14	+0,25	—0,28	+0,01	+0,02	
4034		18	+0,18	+0,10	—0,23	—0,37	
4084		48	—0,35	—0,30	—0,02	—0,14	
4102		37	—0,93	——	+0,61	——	
4112		63	+0,07	—0,30	+0,20	+0,50	
4114		62	+0,10	—0,28	+0,02	—0,18	
4126		75	—0,03	——	+0,07	+0,30	
4160		86	—0,76	—0,20	+0,05	+0,03	
4180		98	—1,54	—1,80	—0,48	—0,60	
4213		118	—0,79	——	—0,35	——	
4234		130	+0,04	—0,30	—0,05	—0,03	
4253		142	—0,09	——	+0,06	+0,57	
4255		141	+0,24	—,025	+0,04	—0,12	
4301		166	—0,03	——	+0,03	+0,43	
4315		173	+0,24	+0,17	—0,02	+0,37	
4318		176	+0,06	——	—0,08	—0,25	
4320		174	—0,81	—0,60	—0,09	—0,32	
4353		194	—0,23	—0,39	—0,05	—0,07	
4371		202	+0,16	—0,29	—0,01	0,00	
4407		215	+0,10	—0,34	—0,05	+0,09	
4432		224	—0,57	—0,76	—0,49	—0,41	
4505		251	—0,23	—0,28	+0,03	—0,01	
4519	X	2	—0,11	—0,35	—0,08	—0,06	
4544		16	+0,34	—0,66	—0,01	+0,10	The Madras observations in 1835 and 1840 exhibit a (—) proper motion in A. R.
4553		18	—0,78	——	+0,11	——	
4578		31	+0,13	——	—0,27	——	
4583		34	+0,04	—0,43	—0,06	—0,03	
4587		22	—1,23	——	+0,07	——	
4589		39	+0,06	+0,35	+0,26	——	
4591		36	—0,06	—0,27	—0,24	—0,18	
4593		38	+0,33	+0,35	—0,10	—0,20	
4605		45	—0,12	—0,29	—0,01	+0,03	
4620		51	+0,16	—0,29	—0,01	—0,04	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 4647	X	63	+0,10	—0,28	—0,02	—0,08	
4651		68	+0,47	——	—0,09	——	
4663		73	+0,12	—0,06	+0,06	+0,26	
4683		80	—0,60	——	+0,03	——	
4730		107	—0,54	——	—0,07	——	
4785		124	—0,49	——	—0,07	——	
4804		134	+0,03	—0,26	—0,10	—0,10	
4814		138	+0,16	—0,40	+0,03	+0,02	
4834		147	+0,07	—0,28	+0,02	+0,02	
4878		166	+0,15	—0,25	0,00	+0,01	
4918		183	+0,09	+0,08	—0,25	—0,22	
4925		186	+0,18	—0,28	0,00	+0,04	
4973		209	—0,46	—0,59	+0,15	+0,06	
4986		213	+0,02	——	—0,27	——	
5025		236	—0,23	—0,53	—0,05	0,00	
5045		243	—0,39	—0,47	—0,14	0,00	
5100	XI	9	—0,30	—0,37	—0,20	—0,07	
5146		28	—0,42	—0,52	—0,53	—0,64	
5153		32	+0,79	——	—0,10	——	
5210		62	0,00	—0,29	+0,04	+0,02	
5223		70	—0,81	—0,78	+0,11	+0,22	
5224		71	—0,89	——	+0,17	——	
5256		87	+0,27	—0,35	+0,16	+0,08	
5269		93	—0,33	—0,38	—0,18	—0,25	
5272		94	—0,05	—0,38	+0,02	—0,18	
5285		103	—0,03	—0,42	+0,08	—0,11	
5295		107	+0,36	+0,23	—0,13	—0,28	
5296		110	—0,76	——	—0,16	——	
5354		133	—0,26	—0,30	+0,08	+0,04	
5357		135	—0,02	——	—0,39	——	
5360		138	—0,60	——	+0,02	——	This difference between the P. M. in A. R. is too large to be accounted for by the ordinary errors of observation.
5372		144	—0,08	—0,62	0,00	+0,07	
5392		152	—0,03	—0,36	+0,09	—0,07	
5415		163	—0,51	—0,53	—0,08	—0,08	
5424		166	+0,82	+0,76	—0,19	—0,30	
5455		182	+0,12	——	—0,29	——	
5461		187	+0,16	—0,36	—0,04	+0,02	A large difference between the P. M. in A. R.
5489		203	+0,07	—0,26	+0,01	—0,08	
5497		207	—0,09	—0,30	+0,03	+0,11	
5505		208	—0,03	—0,27	+0,05	—0,01	
5512		213	—0,02	——	+0,12	+0,27	
5519		217	—0,46	—0,58	+0,01	+0,04	
5522		218	—0,39	——	—0,50	—0,55	
5530		220	+0,44	——	—0,09	——	
5532		222	—0,17	—0,28	—0,03	—0,11	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 5611	XII	17	—0,17	—0,33	+0,15	+0,13	
5623		24	—0,12	—0,32	+0,01	+0,06	
5645		40	—0,09	——	—0,29	——	
5658		50	—0,05	—0,55	+0,06	—0,05	
5672		58	+0,04	—0,25	—0,09	—0,02	
5693		73	+0,06	——	—0,28	——	
5723		91	+0,02	—0,33	—0,08	+0,01	
5745		103	+0,02	—0,35	+0,11	—0,17	
5752		108	+0,10	—0,37	+0,04	+0,03	
5766		115	—0,43	—0,42	—0,08	—0,13	
5775		119	—0,09	—0,30	0,00	0,00	The A. R. of this Star as set down in the catalogue is derived from 3 separate determinations and can be depended upon.
5782		126	—1,08	—0,02	—0,09	+0,33	
5783		125	+0,06	—0,30	+0,04	—0,01	
5787		129	—0,05	—0,50	+0,05	—0,18	
5817		146	+0,03	—0,32	—0,01	0,00	
5826		154		——	—0,06	——	
5835		157	—0,60	—0,72	+0,01	+0,10	
5836		158	—0,66	—0,77	+0,10	+0,09	
5838		159	—0,81	——	—0,03	——	
5869		173	+0,33	——	—0,43	——	
5892		188	+0,45	——	—0,10	——	
5894		190	+0,52	——	+0,07	——	
5901		193	—0,05	—0,38	+0,01	—0,06	
5916		201	+0,48	——	—0,02	——	
5952		223	—0,44	—0,65	—0,02	— ,02	
5959		226	—0,23	—0,34	+0,08	+0,04	
5975		235	+0,18	——	—0,25	——	
5981		237	0,00	—0,40	—0,03	—0,06	
5995		249	—0,26	—0,37	+0,03	+0,07	
6055	XIII	2	—0,44	—0,45	+0,16	+0,15	
6068		7	—0,52	——	+0,12	——	
6069		9	+0,19	—0,09	—0,29	—0,36	
6075		13	—0,54	——	0,00	——	Here an alteration of P. M. appears both in A. R. and declination—much exceeding that which could be accounted for by the ordinary errors of observation.
6078		15	—0,60	—1,19	+0,92	+0,24	
6082		18	—0,51	——	0,00	——	
6088		21	—0,08	—0,28	0,00	+0,04	
6094		25	—0,26	——	—0,26	——	
6109		39	—0,60	——	+0,08	——	
6123		44	—1,00	—1,30	—1,00	—1,08	
6190		78	+0,48	—0,08	—0,04	—0,01	
6193		79	+0,58	——	+0,01	——	
6196		80	0,00	—0,34	0,00	—0,05	
6214		89	+0,18	——	—0,34	——	
6217		96	—0,29	——	+0,30	——	
6218		90	—0,32	—0,32	—0,55	—0,53	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 6224	XIII	95	+0,02	—0,40	—0,26	—0,03	
6251		114	—0,79	——	+0,26	——	
6253		115	—0,02	—0,30	—0,07	—0,04	
6275		133	—0,51	——	+0,10	——	
6282		128	—0,29	—0,40	+0,06	+0,08	
6347		162	—0,12	—0,30	+0,08	+0,08	
6375		177	+0,07	—0,30	—0,11	—0,16	
6378		178	—0,75	—0,33	—0,09	—0,22	
6405		200	+0,21	——	—0,34	——	
6420		209	—0,14	—0,50	—0,02	0,00	
6432		215	—0,08	——	+0,29	——	
6452		228	+0,10	——	+0,26	——	
6474		243	+0,27	—0,32	+0,04	—0,17	
6476		240	0,00	—0,10	—0,32	—0,40	
6484		263	—1,20	——	—0,08	——	
6520		270	+0,07	—0,25	—0,03	—0,08	
6538		278	+0,46	——	+0,03	——	
6543		285	+0,18	——	+0,30	——	
6563		293	—0,79	—0,63	—0,49	—0,40	
6575		300	—0,03	—0,04	+0,01	—0,38	
6583		307	+0,55	——	—0,04	——	
6624	XIV	15	—0,14	——	—0,31	——	
6633		19	—0,32	—0,60	+0,06	+0,07	
6638		23	—0,26	—0,29	—0,01	—0,09	
6646		28	+0,06	—0,01	—0,42	—0,47	
6653		32	—1,20	—1,17	—2,00	—1,96	The great declination of this Star (78°,19′) will in some measure account for the large difference here found, which amounts to 0,″20 of arc.
6663		49	+0,10	—0,96	0,00	—0,13	
6666		41	—0,18	—0,55	+0,10	+0,27	
6671		42	—0,20	—0,34	+0,07	—0,03	
6681		44	—0,02	—0,34	—0,01	—0,10	
6686		50	+0,04	—0,30	+0,03	——	
6720		71	+0.19	——	—0,27	——	
6721		70	—0,02	—0,32	+0,07	—0,03	
6736		78	+0,03	——	+0,94	——	
6752		87	—0,08	——	—0,28	——	
6754		92	—0,23	—0,80	—0,38	—0,54	The Radcliffe observations (which differ—0,″23 from Madras), as compared with Piazzi give the P. M. in A. R.—0,″33.
6782		105	—0,24	—0,59	+0,01	—0,16	
6817		124	+0,21	+0,34	+0,14	—0,09	
6824		131	—0,03	——	+0,29	——	
6825		127	—1,00	—0,45	+0,43	+0,34	Difference of P. M. in A. R. too large to be accounted for by the ordinary errors of observation.
6827		125	—0,52	—0,40	—0,25	—0,30	
6832		129	—0,85	——	+0,04	——	
6861		149	—0,08	—0,08	+0,03	—0,36	
6876		158	+0,13	+0,11	—0,31	—0,34	
6887		163	—0,21	—0,33	—0,07	—0,13	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 6890	XIV	166	+0,04	—0,17	—0,05	—0,25	
6902		173	+0,22	—0,43	+0,02	—0,12	
6965		212	+1,14	——	—0,01	——	
6991		235	+0,44	——	—0,24	——	
6994		240	—0,35	—0,30	+0,02	—0,18	
7051		275	—0,33	—0,91	+0,04	——	Difference of P. M. in A. R. too large to be accounted for by the ordinary errors of observation.
7065	XV	2	—1,11	——	+0,17	——	
7115		27	+0,09	——	+0,18	—0,30	
7116		18	+0,13	——	+0,27	——	
7129		26	—0,09	—0,30	0,00	—0,07	
7167		68	+0,03	——	—0,14	+0,50	Difference of P. M. in declination much too large to be accounted for by the ordinary errors of observation.
7203		73	0,00	—0,30	+0,01	+0,16	
7253		102	—0,03	—0,09	+0,26	—0,15	
7254		110	—0,93	——	—0,12	——	
7258		106	+0,31	+0,33	—0,21	—0,30	
7291		133	+0,21	+0,16	—0,01	—0,25	
7294		134	—0,02	——	—0,30	——	
7316		152	+0,13	——	—0,09	—0,40	
7380		194	+0,16	—0,31	+0,02	+0,11	
7387		200	—0,08	—0,15	—0,38	—0,35	
7391		202	—0,26	—0,16	—0,70	—0,16	The difference of P. M. in declination much too large to be accounted for by the ordinary errors of observation.
7402		211	+0,72	——	+0,57	+0,50	
7411		219	+0,06	+0,35	—1,30	—1,31	
7431		228	—0,58	—0,75	—0,37	—0,21	
7451		246	—0,29	——	—0,73	——	
7480		270	+0,15	—0,33	—0,02	—0,44	
7488		277	—0,64	——	+0,32	+0,30	
7498		276	—0,02	——	—0,11	—0,40	
7523	XVI	9	—0,05	——	+0,36	——	
7543		22	—0,26	——	—0,34	—0,42	
7548		23	+0,16	——	—0,38	——	
7554		26	+0,25	+0,12	—0,52	—0,53	
7562		31	—0,03	+0,02	—0,17	—0,25	
7602		69	+0,49	——	+0,01	——	
7613		73	—0,12	——	+0,29	——	
7673		112	—0,20	—0,27	+0,03	—0,06	
7685		121	+0,46	+0,35	—0,39	—0,15	
7695		135	—0,66	——	—0,03	——	
7699		132	—0,03	—0,30	+0,02	+0,03	
7714		137	—0,15	—0,10	+0,26	—0,09	
7732		148	—0,08	——	—0,40	——	
7747		165	—0,46	—0,70	+0,30	+0,47	
7749		182	+0,50	——	+0,31	——	
7768		195	+0,10	——	+0,32	——	
7775		194	+0,13	——	+0,25	——	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 7777	XVI	184	—0,70	—0,65	—0,25	—0,18	
7803		201	—0,05	——	+0,46	——	
7804		202	—0,23	——	+0,29	——	
7810		206	—0,33	——	—0,35	——	
7814		219	+0,42	——	—0,15	——	
7855		243	—0,24	—0,26	—0,06	—0,05	
7863		252	—0,33	—0,30	—0,03	+0,08	
7879		260	—0,32	——	—0,37	——	
7903		273	+0,48	+0,02	—0,11	+0,05	
7905		286	+0,42	+0,33	+0,02	—0,08	
7915		291	+0,04	——	+0,43	——	Perhaps the sign of the P. M. assigned by Piazzi should be (—): the great declination of this Star however (82°,20′) renders the difference in arc but small, viz. 0,″20.
7944		302	—0,33	——	—0,28	——	
7959	XVII	36	+0,66	—0,82	—0,03	+0,01	
7978		17	—0,73	—0,59	—1,22	—1,25	
7979		21	—0,76	—0,58	—1,17	—1,24	
7983		25	—0,12	——	—0,29	——	
7994		42	+0,04	—0,32	+0,04	+0,04	
8016		52	—0,06	+0,25	—0,04	+0,08	
8042		80	+0,13	0,00	—1,00	—1,02	
8130		155	+0,12	—0,27	+0,05	0,00	
8162		177	—0,18	——	—0,09	——	
8173		189	+0,12	——	—0,32	——	
8177		198	—0,08	—0,51	+0,13	+0,12	
8182		201	+0,48	——	—0,39	—0,40	
8223		241	—0,05	—0,19	+0,24	+0,28	
8226		223	—0,12	—0,33	0,00	—0,20	
8238		244	—0,24	—0,29	—0,71	—0,84	
8252		259	+0,06	——	+0,52	——	
8256		262	+0,02	——	+0,14	+0,40	
8269		286	—0,12	+0,25	—0,37	—0,30	
8270		287	—0,03	+0,25	—0,34	—0,30	
8275		273	—0,51	——	—0,03	——	
8283		277	—0,46	—0,10	—0,04	—0,05	
8297		295	—0,18	—0,45	+0,04	+0,05	
8315		316	+0,24	——	+0,09	+0,30	
8332		321	—0,02	—0,25	0,00	—0,06	
8333		335	+0,02	—0.31	+0,02	—0,07	
8368		369	—0,57	——	—0,07	—0,30	
8371		380	—0,33	——	+0,24	+0,60	
8372		358	+0,19	+0,30	—1,02	—1,17	
8386		361	—0,11	—0,44	+0,03	+0,20	
8387		365	—0,08	——	—0,27	——	
8411	XVIII	1	+0,09	—0,34	—0,05	—0,06	
8412		2	+0,03	—0,34	+0,01	—0,03	
8463		62	+0,45	+0,14	+0,13	—0,12	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 8468	XVIII	48	—0,57	—0,67	—0,72	—0,68	
8469		54	+0,81	+0,87	+0,01	—0,02	
8477		61	—0,91	——	—0,04	——	
8489		64	+0,12	+0,28	—0,31	—0,29	
8494		66	—0,08	—0,11	—0,15	—0,25	
8523		88	—0,15	—0,27	—0,15	—0,40	
8535		150	—0,38	——	+0,65	——	
8543		102	+0,03	—0,40	—0,07	—0,22	
8547		119	+1,79	+1,72	—0,33	—0,33	
8554		178	+1,49	——	+0,15	——	
8559		115	+0,04	—0,04	—0,32	—0,34	
8584		143	+0,25	+0,28	+0,25	+0,25	
8587		227	—0,09	——	+0,41	——	
8600		148	—0,49	——	—0,28	——	
8622		181	—0,14	——	—0,23	—0,40	
8645		198	+0,50	——	—0,05	——	
8672		215	+0,19	—0,13	—0,08	—0,25	
8677		226	+0,43	——	—0,03	——	
8688		228	+0,02	——	—0,18	—0,40	
8701		236	+0,06	+0,04	—0,02	+0,32	
8724		273	+1,26	——	+0,07	——	
8732		262	+0,15	—0,17	—0,35	—0,08	
8757		280	+0,16	——	—0,34	——	
8760		290	+0,07	——	+0,03	—0,30	
8766		292	—0,02	—0,17	—0,24	—0,29	
8771		293	—0,03	+0,05	+0,01	—0,31	
8815	XIX	9	+0,09	——	+0,50	——	
8816		7	+0,03	—0,15	+0,02	—0,25	
8861		50	—0,27	—0,18	—0,20	—0,54	
8878		62	+0,10	+0,38	—0,05	—0,11	
8927		114	+0,84	+0,92	+0,63	+0,72	
8929		113	+0,46	+0,18	+0,08	+0,10	
8938		123	—0,24	—0,22	—0,59	—0,72	
8940		141	—0,63	——	+0,12	——	
8948		126	—0,32	—0,10	—0,10	—0,26	
8966		145	+0,42	——	—0,05	——	
8994		171	+0,30	+0,26	—0,15	—0,12	
9007		182	+0,12	——	—0,28	——	
9010		191	—0,09	——	+0,33	——	
9011		185	—0,26	——	—0,30	——	
9044		223	—0,08	—0,06	+0,19	+0,35	
9046		236	+1,60	+1,28	—0,03	—2,12	
9058		230	+0,06	+0,09	—0,20	—0,25	
9064		251	—0,26	——	+0,48	——	
9104		274	+0,46	——	—0,04	——	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras	Piazzi.	
	H.	N.	″	″	″	″	
No. 9109	XIX	282	+0,09	—0,10	—0,10	—0,40	
9127		294	+0,52	+0,51	+0,35	+0,38	
9129		298	+0,27	+0,26	—0,12	—0,17	
9139		306	—0,33	——	—0,32	——	
9155		318	+0,42	+0,06	—0,05	—0,01	
9159		324	—0,02	—0,03	—0,47	—0,54	
9168		343	+0,52	—0,39	+0,09	—0,30	
9188		352	+0,09	+0,04	—0,09	+0,28	
9203		359	—0,24	——	—0,38	——	
9235		393	—0,36	—0,50	—0,16	—0,24	
9247		404	+0,04	—0,01	—0,13	—0,30	
9251		408	+0,09	+0,13	—0,06	—0,25	
9253		405	—0,09	——	—0,26	——	
9255		410	+0,18	—0,03	—0,03	—0,41	
9259		418	—0,23	—0,42	—0,53	—0,55	
9260		411	+0,64	+0,24	—1,63	—1,47	
9272	XX	21	+0,13	—0,29	+0,08	—0,09	
9297		47	+0,99	—0,82	0,00	—0,18	P.'s P. M. in A. R. probably requires the sign to be +
9303		29	+0,93	+1,24	—0,23	+0,76	Difference of P. M. in declination too large to be ac-
9335		71	+0,67	——	+0,15	——	counted for by the ordinary errors of observation.
9336		58	0,00	+0,04	+0,03	+0,25	
9371		94	+0,15	——	+0,28	——	
9376		119	+1,54	——	—0,02	——	
9383		126	+1,21	—0,80	+0,12	——	P.'s P. M. in A. R. probably requires the sign to be (+)
9388		108	0,00	——	+0,30	——	
9438		182	+1,39	——	+0,07	——	
9439		158	—0,03	——	—0,45	——	
9453		179	+0,25	—0,29	+0,01	—0,01	
9488		211	+0,28	—0,35	+0,09	—0,18	Difference of P. M. in A. R. too large to be accounted for
9493		206	+0,24	——	+0,28	——	
9543		265	—0,97	——	0,00	——	
9566		278	+0,44	——	—0,01	——	
9575		282	—0,18	+0,02	+0,01	—0,26	
9589		331	+1,21	——	+0,23	——	
9593		333	+0,45	——	+0,29	——	
9597		303	—0,18	+0,05	—0,28	—0,19	
9601		315	+0,61	——	+0,01	——	
9603		313	+0,46	+0,44	+0,24	+0,40	
9629		338	—0,12	+0,20	—0,18	+0,81	The Greenwich declination for 1836 places this star
9634		349	+1,32	——	—0,06	——	+ 2″,5 of the place set down in the catalogue.
9641		343	+0,07	——	+0,26	——	
9654		353	+0,50	——	—0,03	——	
9686		391	+0,21	——	+0,28	——	
9701		402	—0,49	——	—0,03	——	
9714		414	—0,02	——	—0,25	——	

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 9731	XX	463	+0,81	—	+0,16	—	
9748		442	—0,67	—	—0,03	—	
9784		475	+5,43	+5,38	+3,17	+3,30	
9785		476	+5,40	+5,30	+2,98	+3,00	Piazzi says "Motus in A. R. ex nostris observationibus foret tantum"—0,60: but even this differs too much from the present results to be accounted for.
9818	XXI	12	—0,05	—1,09	—0,11	—0,11	
9821		14	+0,60	—	—0,04	—	
9842		38	+0,07	+0,08	—0,35	—0,29	
9859		54	+0,30	+0,22	+0,44	+0,50	
9863		73	+1,08	—	+0,13	—	
9865		56	—0,15	+0,30	+0,01	+0,02	
9877		68	+0,46	—	—0,09	—	
9886		75	+0,12	+0,40	—0,02	—0,20	
9911		105	+0,34	+0,27	+0,13	—0,07	
9934		118	+0,07	—0,26	—0,03	—0,30	
9938		137	+0,81	—	+0,01	—	
9947		127	+0,06	—	—0,31	—	
9960		146	+0,42	—	—0,01	—	
9961		138	—0,51	—	—0,07	—	
9973		156	+0,45	—	0,00	—	
9978		158	—0,02	—0,03	+0,08	—0,29	
9985		173	+0,48	—	+0,08	—	
9990		165	+0,50	—	+0,02	—	
9992		183	+0,45	—	+0,12	—	
9994		171	+0,12	—0,11	—0,16	—0,44	
9999		176	+0,10	—	—0,43	—	
10015		189	0,00	+0,32	—0,02	—	
10059		236	+0,51	—	0,00	—	
10063		231	+0,48	—	—0,01	—	
10070		235	—0,20	—0,18	—0,32	—0,38	
10087		251	—0,02	—0,05	—0,10	+0,32	
10098		258	+0,22	—0,25	—0,03	—0,01	
10103		266	+0,31	+0,36	—0,22	—0,27	
10106		277	+0,42	—	0,00	—	
10111		274	—0,30	—	—0,26	—	
10116		276	+0,25	+0,24	—0,32	—0,26	
10128		292	+0,64	+0,05	+0,19	—0,04	Difference between the P. M. in A. R. too large to be accounted for by the ordinary errors of observation.
10139		302	—0,15	—0,47	+0,06	—0,24	
10160		315	+0,44	+0,11	—0,02	+0,04	
10192		340	+0,57	—	—0,07	—	
10201		357	+0,24	—0,25	—0,01	—0,23	
10218		365	—0,38	+0,27	—0,07	+0,07	
10242		394	—0,46	+0,02	—0,08	—0,31	
10262		402	+0,25	+0,33	+0,01	+0,06	
10270		415	+0,19	—0,30	+0,12	—0,08	
10272		416	+0,12	+0,70	+0,05	—0,14	Piazzi says "Juxta observationes nostras A.R. decreserat" &c.

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Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 10275	XXI	410	+0,76	—	+0,03	—	
10285	XXII	1	+0,22	+0,26	+0,01	+0,11	
10296		16	+0,55	—	+0,10	—	
10305		18	+0,99	—	—0,57	—	Here the proper motion both in A. R. and declination would appear to have altered.
10326		36	+0,13	+0,75	—0,05	—0,80	
10333		47	—0,48	—	+0,02	—	
10340		49	+0,13	—0,30	—0,08	+0,05	
10342		54	+0,82	—	+0,11	—	
10383		88	+0,19	+0,40	—0,05	—0,01	
10385		96	+0,57	—	+0,02	—	
10403		102	+0,09	—	—0,31	—	
10407		107	+0,18	—	—0,40	—	
10430		129	+0,42	—	—0,01	—	
10447		150	+0,50	—0,55	+0,06	—0,20	Difference between the P. M. in A. R. too large to be accounted for. Declination = +77,°56′
[illegible]		143	+0,16	+0,33	—0,15	—0,46	
10451		167	+1,42	—	+0,11	—	
10453		165	+2,20	—	+0,02	—	
10457		159	+0,51	—	—0,13	—	
10469		168	+0,66	—0,53	+0,08	—0,21	Precisely the same case as the last.
10474		162	+0,84	—	—0,06	—	
10514		200	+0,22	—0,29	+0,01	—0,18	Difference between P. M. in A. R. too large to be accounted for.
10524		210	+0,02	—	+1,09	—	
10533		214	—0,27	—	—0,37	—	
10535		215	+0,21	+0,32	—0,52	—0,36	
10538		216	—0,08	—0,16	—0,16	—0,29	
10541		219	—0,06	—	—0,37	—	
10560		236	+0,70	—	+0,01	—	
10562		248	+1,11	—	+0,10	—	
10573		246	+0,03	—0,46	0,00	—0,13	
10580		258	+1,06	—	+0,14	—	
10581		253	+0,28	+0,33	—0,10	—0,26	
10584		257	+0,44	—	+0,04	—	
10621		295	+1,75	—	+0,07	—	
10623		288	+0,44	+0,24	+0,05	+0,20	
10628		293	+0,45	—	+0,16	—	
10665	XXIII	8	—0,06	—0,09	+0,05	—0,25	
10667		7	—0,27	—0,57	—0,11	—0,25	
10682		19	+0,04	—0,08	—0,15	—0,26	
10687		22	+0,27	+0,36	—0,03	—0,20	
10696		31	+0,70	+0,78	+0,03	0,00	
10710		41	+0,51	—	+0,02	—	
10712		43	+0,70	—	—0,12	—	
10720		53	+0,10	+0,52	+0,02	+0,16	Difference between the P. M. in A. R. too large to be accounted for.
10764		83	+0,30	—0,27	—0,13	—0,04	
10766		84	+0,02	—0,20	—0,08	—0,30	

A Catalogue of proper motion Stars.

Madras.	Piazzi.		P. M. in A. R.		P. M. in Decl.		Remarks.
			Madras.	Piazzi.	Madras.	Piazzi.	
	H.	N.	″	″	″	″	
No. 10773	XXIII	92	—0,06	—0,42	+0,02	—0,13	
10781		96	+0,22	—0,05	—0,14	—0,38	
10794		108	+0,12	—0,27	—0,01	—0,12	
10815		126	+0,07	—0,27	+0,07	—0,11	
10820		135	+1,90	—	+0,12	—	
10830		138	+0,34	+0,27	—0,44	—0,42	
10832		141	+0,42	—	+0,01	—	
10839		145	+0,06	+0,30	—0,41	—0,55	
10844		152	+0,42	—	+0,07	—	
10854		158	—0,14	—0,33	—0,08	—0,16	
10858		162	+0,34	—	—0,27	—	
10861		164	+0,78	—	+0,52	—	
10867		170	+0,15	—0,30	+0,03	—0,12	
10883		185	0,00	—0,31	—0,02	—0,20	
10891		193	—0,06	—0,31	—0,06	0,00	
10895		197	—0,03	—0,26	0,00	—0,12	
10918		218	+1,35	—	+0,06	—	
10930		225	+0,67	—	+0,06	—	
10931		226	—0,09	—0,29	0,00	—0,15	
10933		228	+0,03	—0,33	—0,01	—0,14	
10942		234	+0,58	—	+0,05	—	
10957		244	+0,04	—0,30	—0,07	—0,13	
10963		249	+0,31	+0,70	—0,03	+0,36	
10980		257	+1,08	+0,90	+0,16	—1,15	Piazzi says "ex nostris observationibus motus in declination — 0,″10 tantum."
10991		265	+0,03	—0,28	+0,06	—0,12	
10993		267	+0,97	—	+0,07	—	
11006		276	+0,50	—	—0,19	—	

The above table was drawn out in the first instance for my own information and guidance, but will not I imagine prove otherwise than acceptable and useful here; it exhibits in a general way,—that the proper motions observed by Piazzi agree with those now determined within the possible amount of errors of observation; there are however 33 cases for right ascension, and 11 for declination, in which this limit is so far exceeded, as to leave no doubt—either that errors of reduction or otherwise exist in the catalogues of Piazzi, Flamstead, Bradley &c. independant of those incidental to the observer, or, *that the proper motions themselves are of variable amount;* with a view of arriving at a just conclusion on this point, the Madras places will again be re-examined and re-observed, and I need hardly intimate to those Astronomers who have the means of examining the places of Flamstead, Bradley, La Caille &c.—how very acceptable a re-confirmation of their results will now prove.

GREAT TRIGONOMETRICAL SURVEY OF INDIA 1865.

FINIS.